

2020

WASHINGTON METROPOLITAN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through
June 30, 2021

**CENTER FOR HIV
SURVEILLANCE,
EPIDEMIOLOGY AND
EVALUATION**

Infectious Disease Prevention and
Health Services Bureau
Prevention and Health Promotion
Administration



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On the Web

<https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Washington-Metropolitan-Area-Annual-HIV-Epidemiological-Profile-2020.pdf>

Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx>

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

CHSEE in MDH is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports are provided to summarize information about the HIV epidemic in Maryland.

All rates presented below are per 100,000 population.

HIV Diagnoses

During 2020, there were 343 reported HIV diagnoses in the Washington Metropolitan Region. The Washington Metropolitan Region includes Calvert County, Charles County, Frederick County, Montgomery County, and Prince George's County. Data presented below describe HIV diagnoses in the Washington Metropolitan Region, among people age 13 years and older, during 2020.

- **Geographic distribution:** Prince George's County accounted for the highest number (221, 64.4%) and the highest rate (29.0) of HIV diagnoses.
- **Age:** Persons aged 20-39 years accounted for the highest number (198, 57.7%) of HIV diagnoses and the highest rate (30.6).
- **Sex at Birth:** Males accounted for the highest number (244, 71.1%) of HIV diagnoses. The rate among males was 24.5 and 9.1 among females.
- **Race/Ethnicity:** Non-Hispanic Black people accounted for the highest number (250, 72.9%) and the highest rate (33.5) of diagnoses.
- **Exposure Category:** Male-to-male sexual contact accounted for the highest number (186, 54.1%) of diagnoses.

People Living with Diagnosed HIV

At the end of 2020, there were 12,850 people living with diagnosed HIV in the Washington Metropolitan Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Washington Metropolitan Region

- **Geographic distribution:** Prince George's County accounted for the highest number (8,014, 62.4%) of people living with diagnosed HIV, as well as the highest rate (1,051.8).
- **Age:** Persons aged 40-59 years accounted for the highest number (6,564, 51.1%) of people living with diagnosed HIV and the highest rate (315.7).
- **Sex at Birth:** Males accounted for the highest number (8,479, 66.0%) of people living with diagnosed HIV. The rate among males was 852.6 and 403.1 among females.
- **Race/Ethnicity:** Non-Hispanic Black people accounted for the highest number (9,657, 75.2%) of the people living with diagnosed HIV and the highest rate (1,293.1).
- **Exposure Category:** Male-to-male sexual contact accounted for the highest number (5,822, 45.3%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- **HIV diagnosed:** Among people living with HIV in the Washington Metropolitan Region, it is estimated that 87.7 percent have been diagnosed and an estimated 1,802 people with HIV remain undiagnosed.
- **Linked to care:** During 2020, 87.8 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- **Retained in care:** Among people living with diagnosed HIV, 75.5 percent were retained in care during 2020.
- **Viral suppression:** In 2020, 66.6 percent of people living with diagnosed HIV achieved viral suppression.

Technical Notes

HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with diagnosed HIV be reported by name to MDH. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are collected on all people with HIV who were residents of the state of Maryland or received HIV care in Maryland. Data are presented for people who were Maryland residents at the time of their HIV diagnosis in 2020 and for people who were living with HIV and were current residents of Maryland as of December 31, 2020.

Data presented were reported to the MDH through June 30, 2021. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2020.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data. A glossary of terms is also available.

COVID-19 and HIV Surveillance Data

Data for 2020 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

The following HIV morbidity estimates may have been affected by the COVID-19 pandemic in 2020.

- Incidence (new HIV infections or transmissions) estimates might be lower due to significant declines in the number of new HIV diagnoses.
- Declines in HIV diagnoses might not represent declines in new HIV infections, but rather decreases and/or delays in testing or changes in testing modality (e.g., self-testing).
- Caution should be used when interpreting prevalence (people living with HIV) estimates. Fewer HIV diagnoses and more deaths (resulting in lower prevalence) may be due to COVID-19 and not HIV activities.
- Declines in linkage to care, retention in care, and viral suppression estimates may be due to lack of laboratory testing during care visits (e.g., telemedicine) and/or changes in testing modality (e.g., self-testing).

The table below describes year-over-year changes in the aggregate estimates of HIV in Maryland. Important to note, the reporting lag for complete death data is longer than the six months utilized for HIV surveillance data. As a result, the percent change in the number of deaths is considered normal for recent years. Updated mortality estimates will be reflected in future reports.

Undiagnosed HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.3 percent in the United States.¹ Applying the same estimation method to Maryland surveillance data, the estimated number of

¹Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2015–2019. HIV Surveillance Supplemental Report 2021;26(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed May 2021.

people living with undiagnosed HIV infection in Maryland is 10.1 percent in 2019.

AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood, if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent, or if a person has been diagnosed with an opportunistic infection.

Mortality

People are assumed to be alive unless reported as deceased. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting of non-AIDS deaths and out-of-state deaths. Most deaths are reported within two years.

Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

Geographic Distribution

Residence at diagnosis is used exclusively to describe new diagnoses. Statistics describing the number of people living with diagnosed HIV use current residence. Current residence numbers are restricted to people for which there is a case report form or laboratory test

reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009. In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

Residents of Correctional Facilities

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in a state or federal prison in Maryland are presented as residing in a separate "Corrections" jurisdiction.

Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across reporting sources and some reporting sources do not collect or have complete data on race/ethnicity.

Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all reporting

sources collect or have complete data on nativity. In addition, some individuals may immigrate to the United States with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, gender identity, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group.

Non-Hispanic multiple race and Non-Hispanic other race from the Census were combined into one group.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of people living with HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people. Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

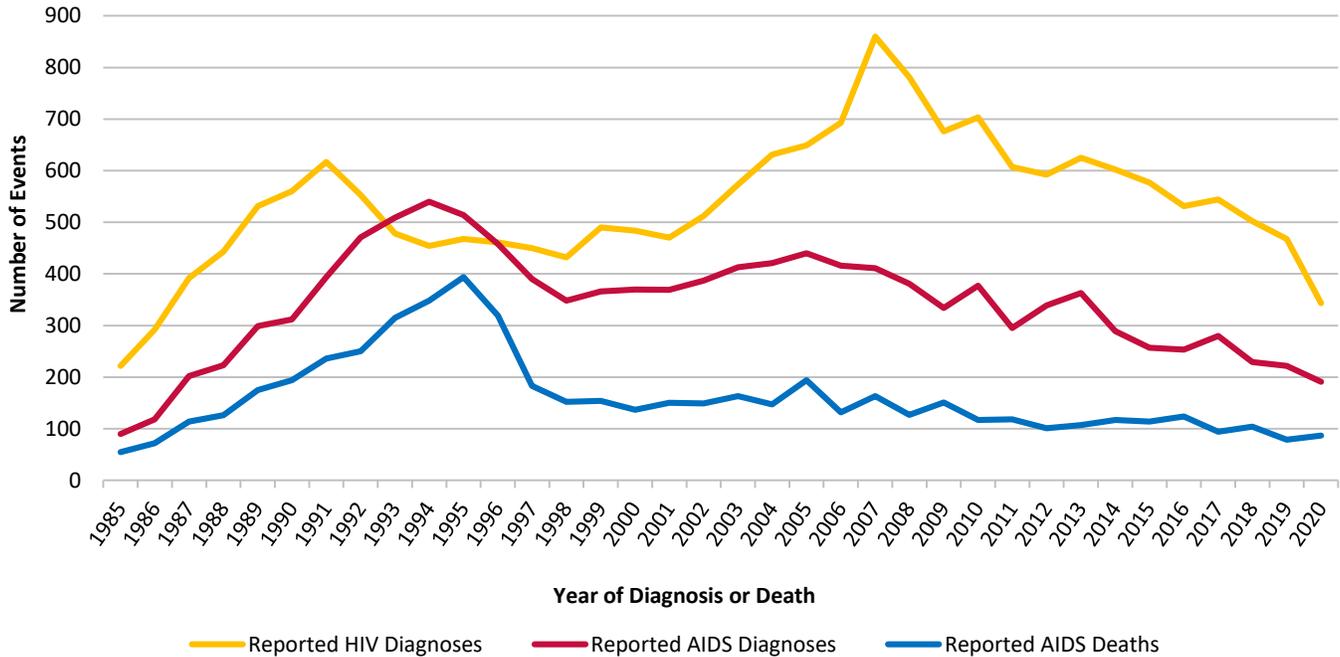
Multiple Imputation

Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Section II – Trends 1985-2020

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2020, as Reported through June 30, 2021.



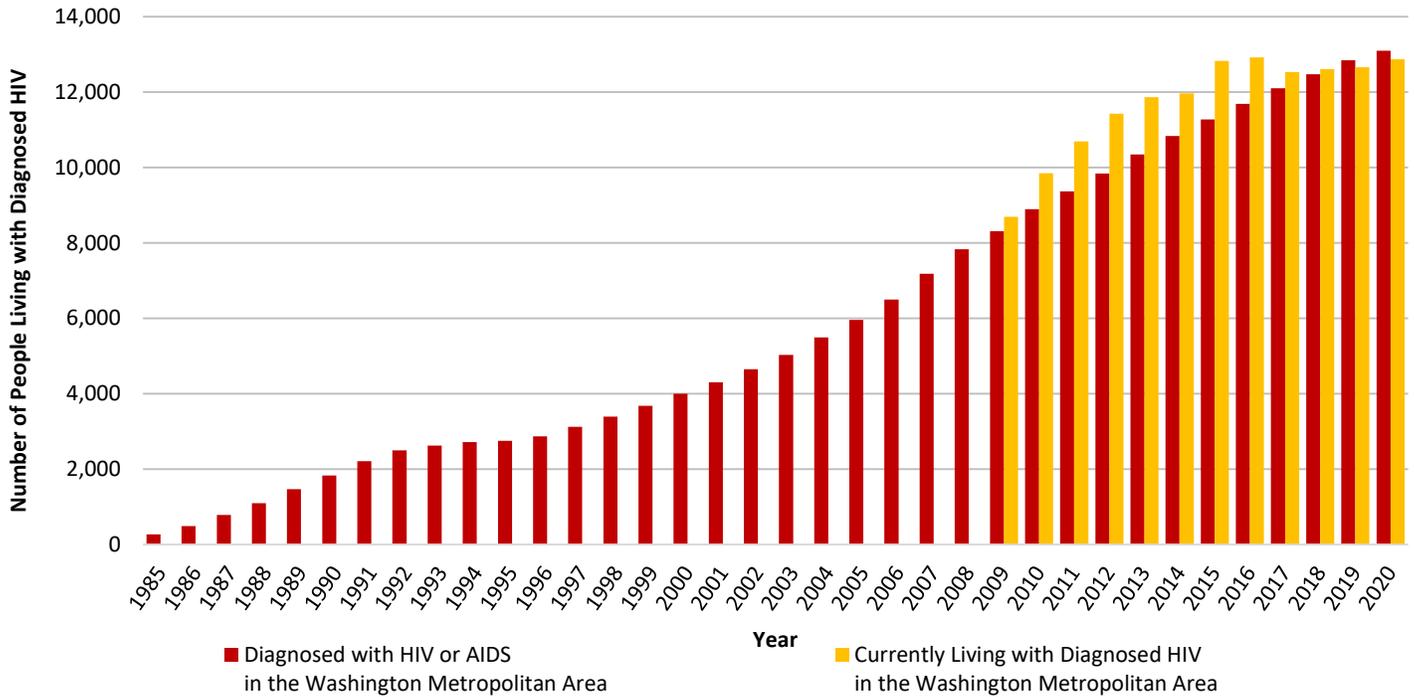
Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	128	62	29	2003	573	413	163
1985	222	90	55	2004	631	421	147
1986	292	118	72	2005	649	440	194
1987	392	202	114	2006	693	416	132
1988	443	223	126	2007	860	411	163
1989	531	299	175	2008	781	381	127
1990	560	312	194	2009	676	334	151
1991	617	394	236	2010	703	377	117
1992	553	471	250	2011	607	295	118
1993	478	509	315	2012	592	339	101
1994	454	540	348	2013	625	363	107
1995	468	514	394	2014	602	289	117
1996	461	458	319	2015	577	257	114
1997	450	390	183	2016	531	253	124
1998	432	348	152	2017	544	280	94
1999	490	366	154	2018	502	229	104
2000	484	370	137	2019*	468	222	79
2001	470	369	150	2020*	343	191	87
2002	512	387	149	Total	19,394	12,333	5,791

*2019-2020 reported AIDS deaths are preliminary

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in the Washington Metropolitan Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Washington Metropolitan Region and/or People who are Currently Living with Diagnosed HIV in the Washington Metropolitan Region from 1985 through 2020, as Reported through June 30, 2021

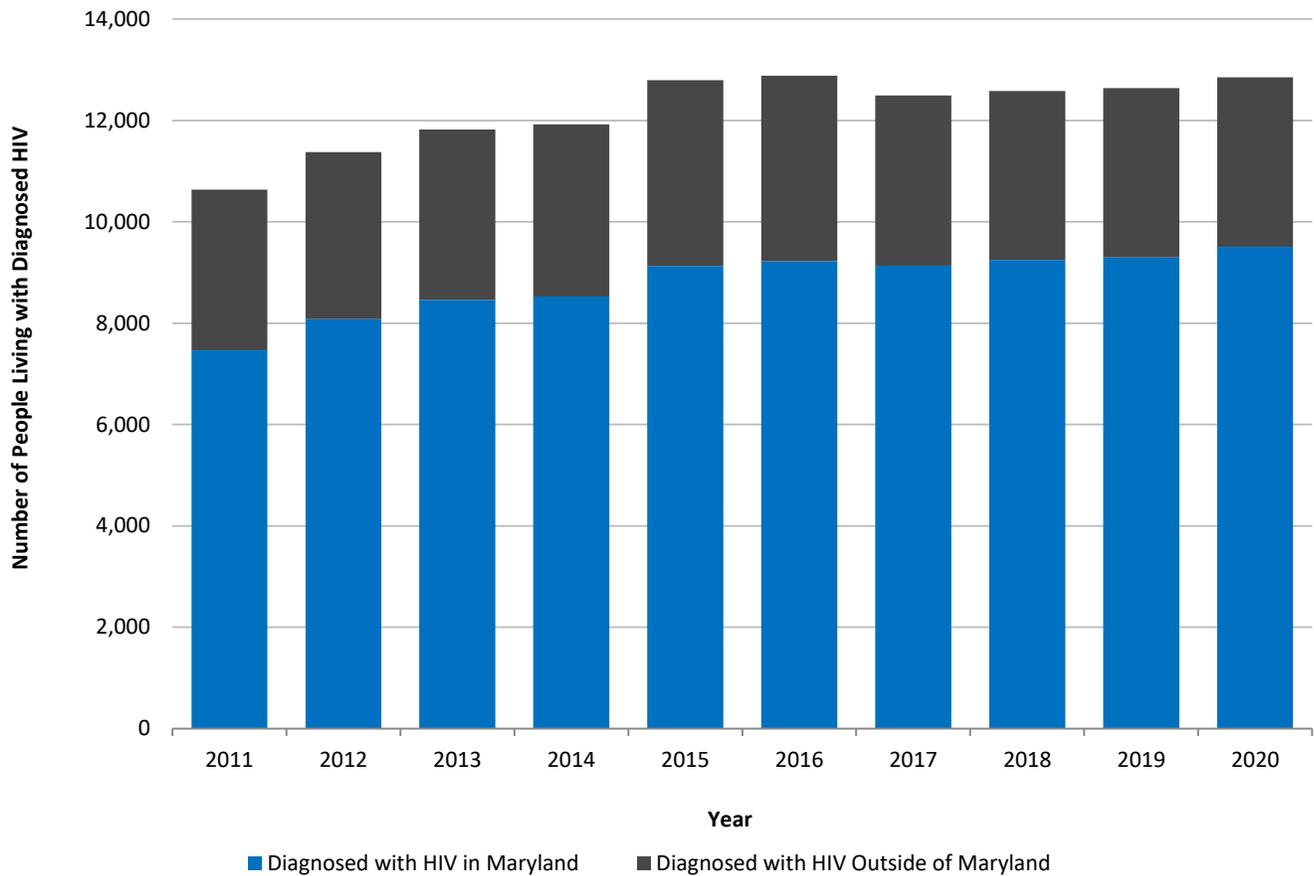


Year	People Living with Diagnosed HIV		Year	People Living with Diagnosed HIV	
	Diagnosed with HIV or AIDS in the Washington Metropolitan Region	Current Residents		Diagnosed with HIV or AIDS in the Washington Metropolitan Region	Current Residents
1985	273	--	2003	5,027	--
1986	493	--	2004	5,496	--
1987	782	--	2005	5,957	--
1988	1,101	--	2006	6,495	--
1989	1,472	--	2007	7,184	--
1990	1,834	--	2008	7,831	--
1991	2,215	--	2009	8,316	8,689
1992	2,500	--	2010	8,891	9,852
1993	2,627	--	2011	9,370	10,692
1994	2,715	--	2012	9,838	11,424
1995	2,755	--	2013	10,342	11,862
1996	2,866	--	2014	10,832	11,964
1997	3,126	--	2015	11,277	12,831
1998	3,390	--	2016	11,685	12,921
1999	3,680	--	2017	12,099	12,532
2000	3,999	--	2018	12,472	12,610
2001	4,307	--	2019	12,848	12,660
2002	4,647	--	2020	13,095	12,867

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2011-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in the Washington Metropolitan Region and Not Reported to have Died as of December 31st of Each Year from 2011 through 2020, as Reported through June 30, 2021

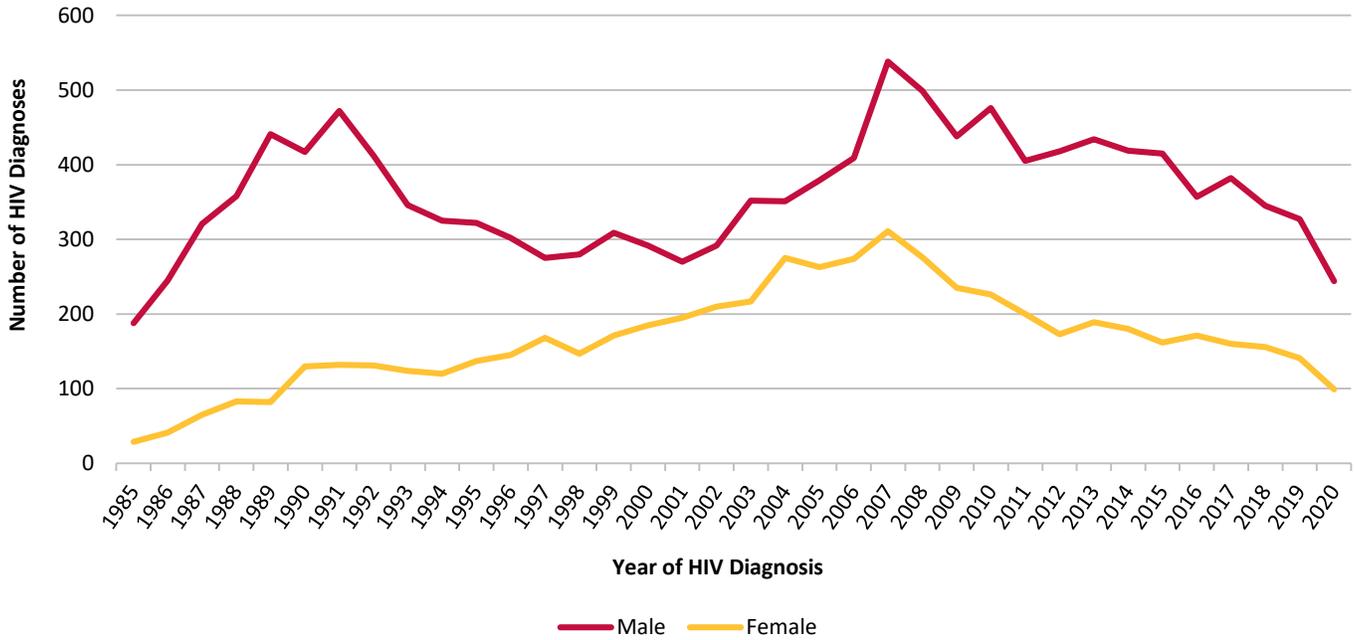


Year	Population Aged 13+	Washington Metropolitan Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2011	1,942,032	7,462	3,174	10,636	547.7
2012	1,967,111	8,077	3,300	11,377	578.4
2013	1,988,502	8,455	3,367	11,822	594.5
2014	2,007,310	8,524	3,399	11,923	594.0
2015	2,024,455	9,131	3,665	12,796	632.1
2016	2,036,826	9,222	3,659	12,881	632.4
2017	2,052,184	9,134	3,360	12,494	608.8
2018	2,062,029	9,246	3,335	12,581	610.1
2019	2,072,314	9,299	3,338	12,637	609.8
2020	2,078,893	9,503	3,347	12,850	618.1

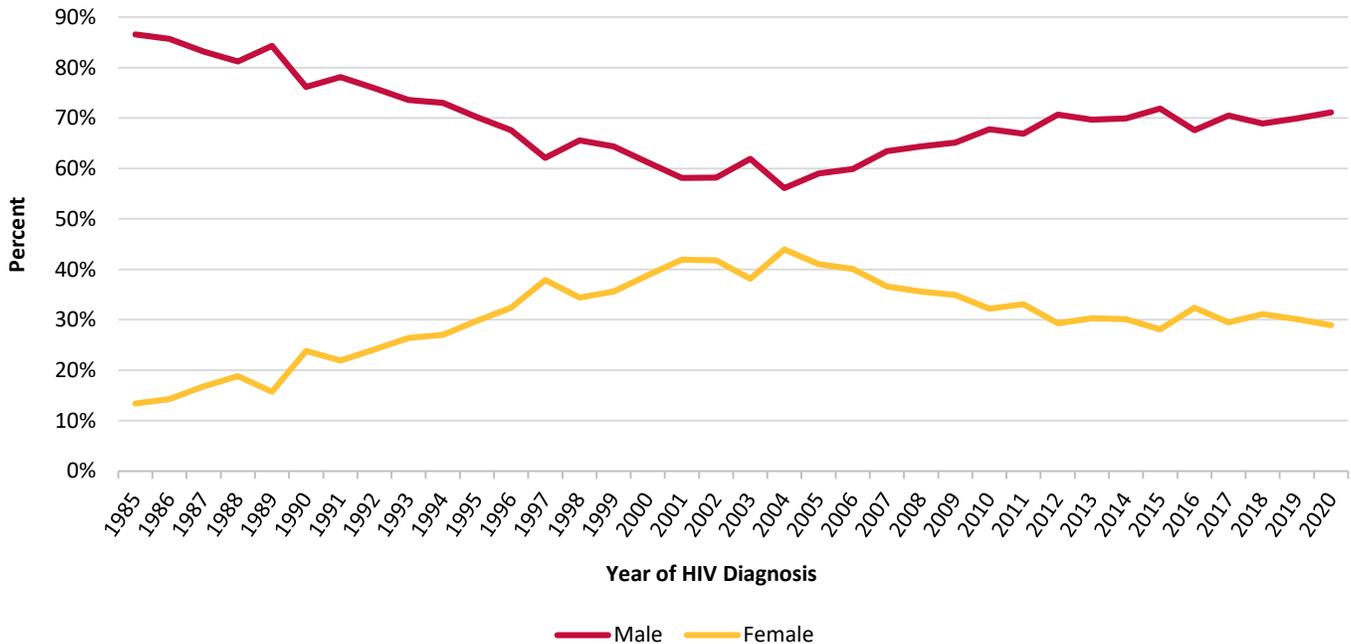
Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021

Number and Percent by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+

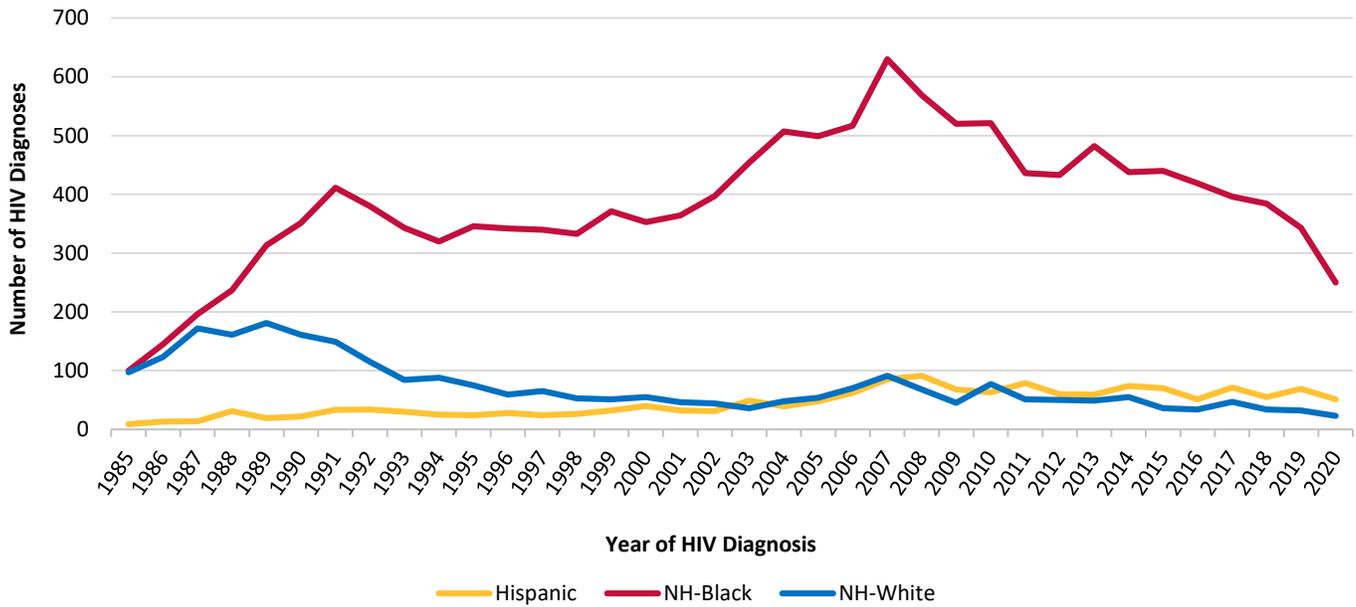
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	125	114	91.2%	11	8.8%
1985	217	188	86.6%	29	13.4%
1986	286	245	85.7%	41	14.3%
1987	386	321	83.2%	65	16.8%
1988	441	358	81.2%	83	18.8%
1989	523	441	84.3%	82	15.7%
1990	547	417	76.2%	130	23.8%
1991	604	472	78.1%	132	21.9%
1992	543	412	75.9%	131	24.1%
1993	470	346	73.6%	124	26.4%
1994	445	325	73.0%	120	27.0%
1995	459	322	70.2%	137	29.8%
1996	447	302	67.6%	145	32.4%
1997	443	275	62.1%	168	37.9%
1998	427	280	65.6%	147	34.4%
1999	480	309	64.4%	171	35.6%
2000	477	292	61.2%	185	38.8%
2001	465	270	58.1%	195	41.9%
2002	502	292	58.2%	210	41.8%
2003	569	352	61.9%	217	38.1%
2004	626	351	56.1%	275	43.9%
2005	642	379	59.0%	263	41.0%
2006	683	409	59.9%	274	40.1%
2007	849	538	63.4%	311	36.6%
2008	775	499	64.4%	276	35.6%
2009	673	438	65.1%	235	34.9%
2010	702	476	67.8%	226	32.2%
2011	605	405	66.9%	200	33.1%
2012	591	418	70.7%	173	29.3%
2013	623	434	69.7%	189	30.3%
2014	599	419	69.9%	180	30.1%
2015	577	415	71.9%	162	28.1%
2016	528	357	67.6%	171	32.4%
2017	542	382	70.5%	160	29.5%
2018	501	345	68.9%	156	31.1%
2019	468	327	69.9%	141	30.1%
2020	343	244	71.1%	99	28.9%
Total	19,183	13,169	68.6%	6,014	31.4%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

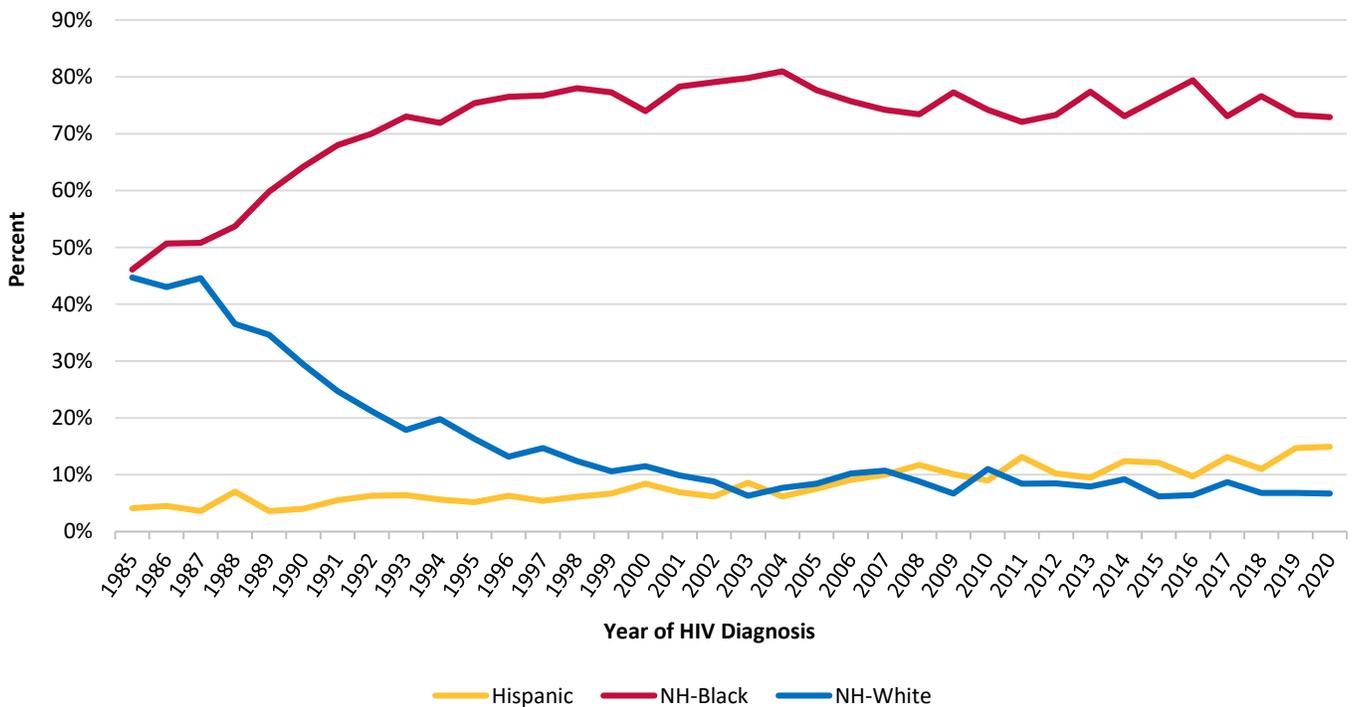
Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021.

Reported HIV Diagnoses among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Non-Hispanic Other people not shown

Reported HIV Diagnoses among People Aged 13+

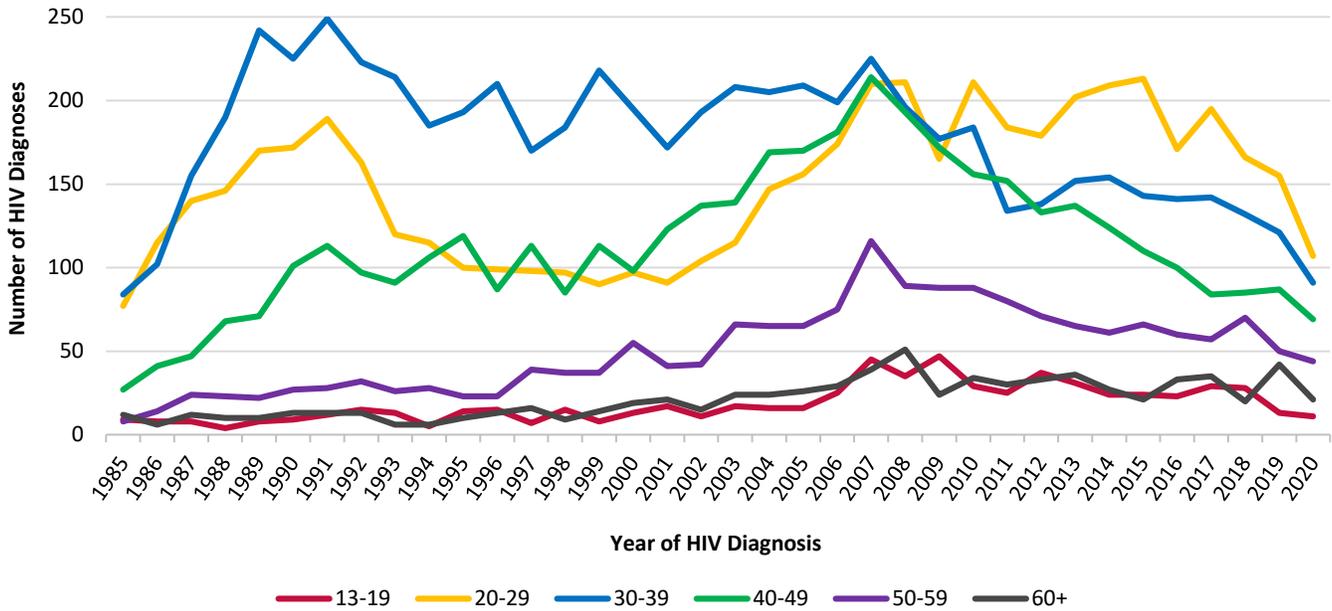
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	125	4	3.2%	72	57.6%	43	34.4%	6	4.8%
1985	217	9	4.1%	100	46.1%	97	44.7%	11	5.1%
1986	286	13	4.5%	145	50.7%	123	43.0%	5	1.7%
1987	386	14	3.6%	196	50.8%	172	44.6%	4	1.0%
1988	441	31	7.0%	237	53.7%	161	36.5%	12	2.7%
1989	523	19	3.6%	313	59.8%	181	34.6%	10	1.9%
1990	547	22	4.0%	351	64.2%	161	29.4%	13	2.4%
1991	604	33	5.5%	411	68.0%	149	24.7%	11	1.8%
1992	543	34	6.3%	380	70.0%	115	21.2%	14	2.6%
1993	470	30	6.4%	343	73.0%	84	17.9%	13	2.8%
1994	445	25	5.6%	320	71.9%	88	19.8%	12	2.7%
1995	459	24	5.2%	346	75.4%	75	16.3%	14	3.1%
1996	447	28	6.3%	342	76.5%	59	13.2%	18	4.0%
1997	443	24	5.4%	340	76.7%	65	14.7%	14	3.2%
1998	427	26	6.1%	333	78.0%	53	12.4%	15	3.5%
1999	480	32	6.7%	371	77.3%	51	10.6%	26	5.4%
2000	477	40	8.4%	353	74.0%	55	11.5%	29	6.1%
2001	465	32	6.9%	364	78.3%	46	9.9%	23	4.9%
2002	502	31	6.2%	397	79.1%	44	8.8%	30	6.0%
2003	569	49	8.6%	454	79.8%	36	6.3%	30	5.3%
2004	626	39	6.2%	507	81.0%	48	7.7%	32	5.1%
2005	642	48	7.5%	499	77.7%	54	8.4%	41	6.4%
2006	683	62	9.1%	517	75.7%	70	10.2%	34	5.0%
2007	849	85	10.0%	630	74.2%	91	10.7%	43	5.1%
2008	775	91	11.7%	569	73.4%	68	8.8%	47	6.1%
2009	673	68	10.1%	520	77.3%	45	6.7%	40	5.9%
2010	702	63	9.0%	521	74.2%	77	11.0%	41	5.8%
2011	605	79	13.1%	436	72.1%	51	8.4%	39	6.4%
2012	591	60	10.2%	433	73.3%	50	8.5%	48	8.1%
2013	623	59	9.5%	482	77.4%	49	7.9%	33	5.3%
2014	599	74	12.4%	438	73.1%	55	9.2%	32	5.3%
2015	577	70	12.1%	440	76.3%	36	6.2%	31	5.4%
2016	528	51	9.7%	419	79.4%	34	6.4%	24	4.5%
2017	542	71	13.1%	396	73.1%	47	8.7%	28	5.2%
2018	501	55	11.0%	384	76.6%	34	6.8%	28	5.6%
2019	468	69	14.7%	343	73.3%	32	6.8%	24	5.1%
2020	343	51	14.9%	250	72.9%	23	6.7%	19	5.5%
Total	19,183	1,615	8.4%	13,952	72.7%	2,722	14.2%	894	4.7%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

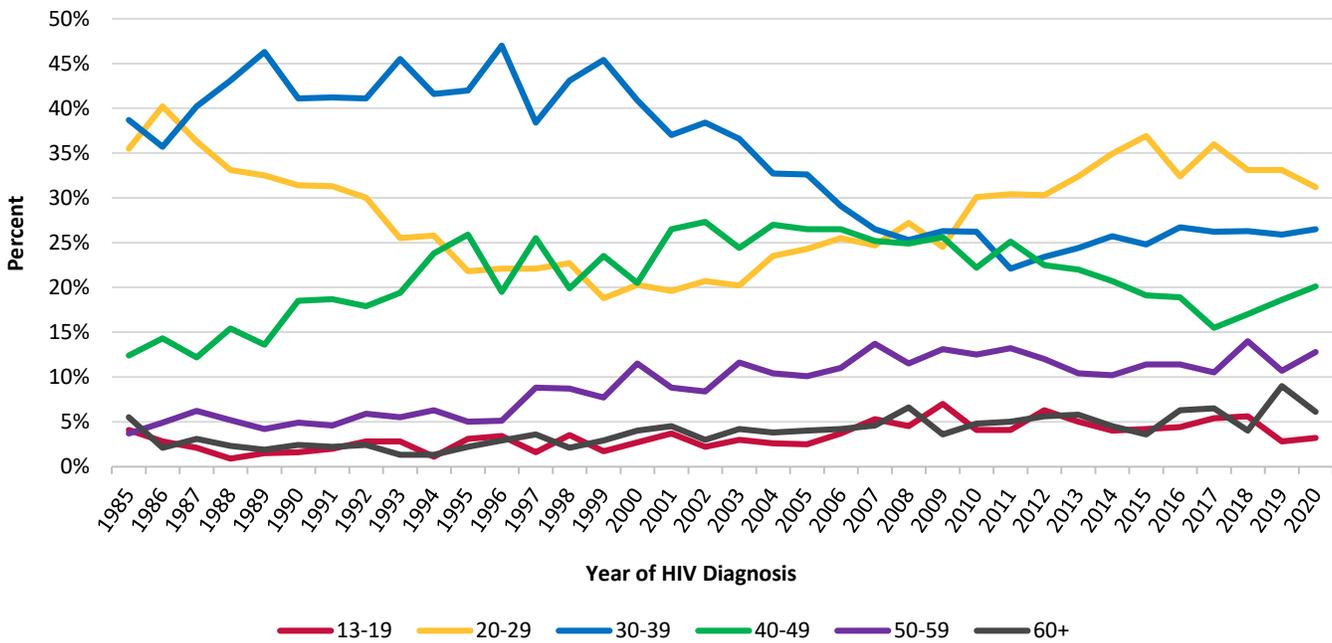
Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+

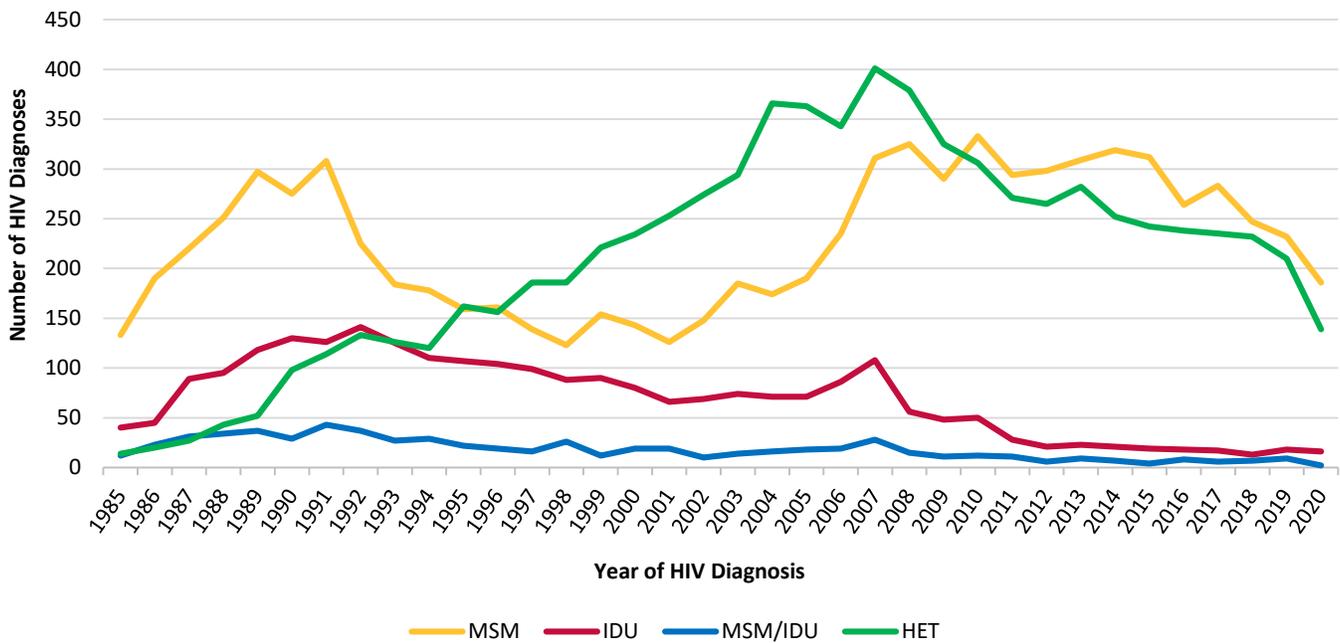
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	125	14	11.2%	46	36.8%	37	29.6%	21	16.8%	4	3.2%	3	2.4%
1985	217	9	4.1%	77	35.5%	84	38.7%	27	12.4%	8	3.7%	12	5.5%
1986	286	8	2.8%	115	40.2%	102	35.7%	41	14.3%	14	4.9%	6	2.1%
1987	386	8	2.1%	140	36.3%	155	40.2%	47	12.2%	24	6.2%	12	3.1%
1988	441	4	0.9%	146	33.1%	190	43.1%	68	15.4%	23	5.2%	10	2.3%
1989	523	8	1.5%	170	32.5%	242	46.3%	71	13.6%	22	4.2%	10	1.9%
1990	547	9	1.6%	172	31.4%	225	41.1%	101	18.5%	27	4.9%	13	2.4%
1991	604	12	2.0%	189	31.3%	249	41.2%	113	18.7%	28	4.6%	13	2.2%
1992	543	15	2.8%	163	30.0%	223	41.1%	97	17.9%	32	5.9%	13	2.4%
1993	470	13	2.8%	120	25.5%	214	45.5%	91	19.4%	26	5.5%	6	1.3%
1994	445	5	1.1%	115	25.8%	185	41.6%	106	23.8%	28	6.3%	6	1.3%
1995	459	14	3.1%	100	21.8%	193	42.0%	119	25.9%	23	5.0%	10	2.2%
1996	447	15	3.4%	99	22.1%	210	47.0%	87	19.5%	23	5.1%	13	2.9%
1997	443	7	1.6%	98	22.1%	170	38.4%	113	25.5%	39	8.8%	16	3.6%
1998	427	15	3.5%	97	22.7%	184	43.1%	85	19.9%	37	8.7%	9	2.1%
1999	480	8	1.7%	90	18.8%	218	45.4%	113	23.5%	37	7.7%	14	2.9%
2000	477	13	2.7%	97	20.3%	195	40.9%	98	20.5%	55	11.5%	19	4.0%
2001	465	17	3.7%	91	19.6%	172	37.0%	123	26.5%	41	8.8%	21	4.5%
2002	502	11	2.2%	104	20.7%	193	38.4%	137	27.3%	42	8.4%	15	3.0%
2003	569	17	3.0%	115	20.2%	208	36.6%	139	24.4%	66	11.6%	24	4.2%
2004	626	16	2.6%	147	23.5%	205	32.7%	169	27.0%	65	10.4%	24	3.8%
2005	642	16	2.5%	156	24.3%	209	32.6%	170	26.5%	65	10.1%	26	4.0%
2006	683	25	3.7%	174	25.5%	199	29.1%	181	26.5%	75	11.0%	29	4.2%
2007	849	45	5.3%	210	24.7%	225	26.5%	214	25.2%	116	13.7%	39	4.6%
2008	775	35	4.5%	211	27.2%	196	25.3%	193	24.9%	89	11.5%	51	6.6%
2009	673	47	7.0%	165	24.5%	177	26.3%	172	25.6%	88	13.1%	24	3.6%
2010	702	29	4.1%	211	30.1%	184	26.2%	156	22.2%	88	12.5%	34	4.8%
2011	605	25	4.1%	184	30.4%	134	22.1%	152	25.1%	80	13.2%	30	5.0%
2012	591	37	6.3%	179	30.3%	138	23.4%	133	22.5%	71	12.0%	33	5.6%
2013	623	31	5.0%	202	32.4%	152	24.4%	137	22.0%	65	10.4%	36	5.8%
2014	599	24	4.0%	209	34.9%	154	25.7%	124	20.7%	61	10.2%	27	4.5%
2015	577	24	4.2%	213	36.9%	143	24.8%	110	19.1%	66	11.4%	21	3.6%
2016	528	23	4.4%	171	32.4%	141	26.7%	100	18.9%	60	11.4%	33	6.3%
2017	542	29	5.4%	195	36.0%	142	26.2%	84	15.5%	57	10.5%	35	6.5%
2018	501	28	5.6%	166	33.1%	132	26.3%	85	17.0%	70	14.0%	20	4.0%
2019	468	13	2.8%	155	33.1%	121	25.9%	87	18.6%	50	10.7%	42	9.0%
2020	343	11	3.2%	107	31.2%	91	26.5%	69	20.1%	44	12.8%	21	6.1%
Total	19,183	680	3.5%	5,399	28.1%	6,392	33.3%	4,133	21.5%	1,809	9.4%	770	4.0%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

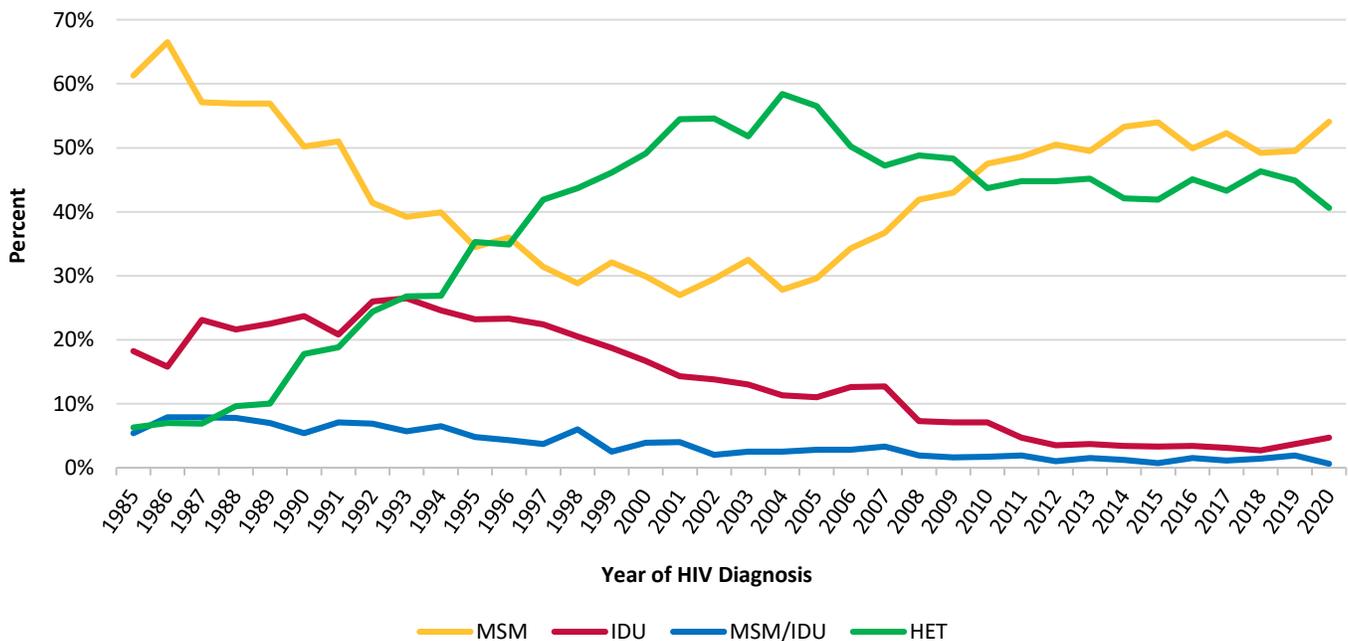
Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021

Number and Percent by Estimated Exposure Category[§] of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses among People 13+ by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure [‡]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	125	8.8%	85	68.0%	17	13.6%	11	8.6%	8	6.6%	4	3.2%
1985	217	6.9%	133	61.3%	40	18.2%	12	5.4%	14	6.3%	19	8.8%
1986	286	3.8%	190	66.5%	45	15.8%	23	7.9%	20	7.0%	8	2.8%
1987	386	3.6%	220	57.1%	89	23.1%	31	7.9%	27	6.9%	19	4.9%
1988	441	6.1%	251	56.9%	95	21.6%	34	7.8%	43	9.6%	18	4.1%
1989	523	7.3%	297	56.9%	118	22.5%	37	7.0%	52	10.0%	19	3.6%
1990	547	4.8%	275	50.2%	130	23.7%	29	5.4%	98	17.8%	16	2.9%
1991	604	7.3%	308	51.0%	126	20.8%	43	7.1%	114	18.8%	14	2.3%
1992	543	10.9%	225	41.4%	141	26.0%	37	6.9%	133	24.4%	7	1.3%
1993	470	9.1%	184	39.2%	125	26.5%	27	5.7%	126	26.8%	8	1.7%
1994	445	9.2%	178	39.9%	110	24.6%	29	6.5%	120	26.9%	9	2.0%
1995	459	12.2%	159	34.5%	107	23.2%	22	4.8%	162	35.3%	10	2.2%
1996	447	15.2%	161	36.0%	104	23.3%	19	4.3%	156	34.9%	7	1.6%
1997	443	15.3%	139	31.4%	99	22.4%	16	3.7%	186	41.9%	3	0.7%
1998	427	18.0%	123	28.8%	88	20.5%	26	6.0%	186	43.7%	4	0.9%
1999	480	15.6%	154	32.1%	90	18.7%	12	2.5%	221	46.1%	3	0.6%
2000	477	17.8%	143	29.9%	80	16.7%	19	3.9%	234	49.1%	2	0.4%
2001	465	16.3%	126	27.0%	66	14.3%	19	4.0%	253	54.5%	1	0.2%
2002	502	13.5%	148	29.5%	69	13.8%	10	2.0%	274	54.6%	1	0.2%
2003	569	13.5%	185	32.5%	74	13.0%	14	2.5%	294	51.8%	1	0.2%
2004	626	19.8%	174	27.8%	71	11.3%	16	2.5%	366	58.4%	0	0.0%
2005	642	21.3%	190	29.6%	71	11.0%	18	2.8%	363	56.5%	0	0.0%
2006	683	27.8%	235	34.3%	86	12.6%	19	2.8%	343	50.2%	0	0.0%
2007	849	30.4%	311	36.7%	108	12.7%	28	3.3%	401	47.2%	1	0.1%
2008	775	36.9%	325	41.9%	56	7.3%	15	1.9%	379	48.8%	0	0.0%
2009	673	37.1%	290	43.0%	48	7.1%	11	1.6%	325	48.3%	0	0.0%
2010	702	37.6%	333	47.5%	50	7.1%	12	1.7%	306	43.7%	0	0.0%
2011	605	38.2%	294	48.6%	28	4.7%	11	1.9%	271	44.8%	0	0.0%
2012	591	24.4%	298	50.5%	21	3.5%	6	1.0%	265	44.8%	1	0.2%
2013	623	21.3%	309	49.5%	23	3.7%	9	1.5%	282	45.2%	0	0.0%
2014	599	19.4%	319	53.3%	21	3.4%	7	1.2%	252	42.1%	0	0.0%
2015	577	13.3%	312	54.0%	19	3.3%	4	0.7%	242	41.9%	1	0.2%
2016	528	17.0%	264	49.9%	18	3.4%	8	1.5%	238	45.1%	1	0.2%
2017	542	18.3%	283	52.3%	17	3.1%	6	1.1%	235	43.3%	1	0.2%
2018	501	15.2%	247	49.2%	13	2.7%	7	1.4%	232	46.3%	2	0.4%
2019	468	26.1%	232	49.5%	18	3.7%	9	1.9%	210	44.9%	0	0.0%
2020	343	37.3%	186	54.1%	16	4.7%	2	0.6%	139	40.6%	0	0.0%
Total	19,183	19.3%	8,286	43.2%	2,497	13.0%	658	3.4%	7,570	39.5%	180	0.9%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

‡Percent with no reported exposure prior to multiple imputation adjustment.

Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

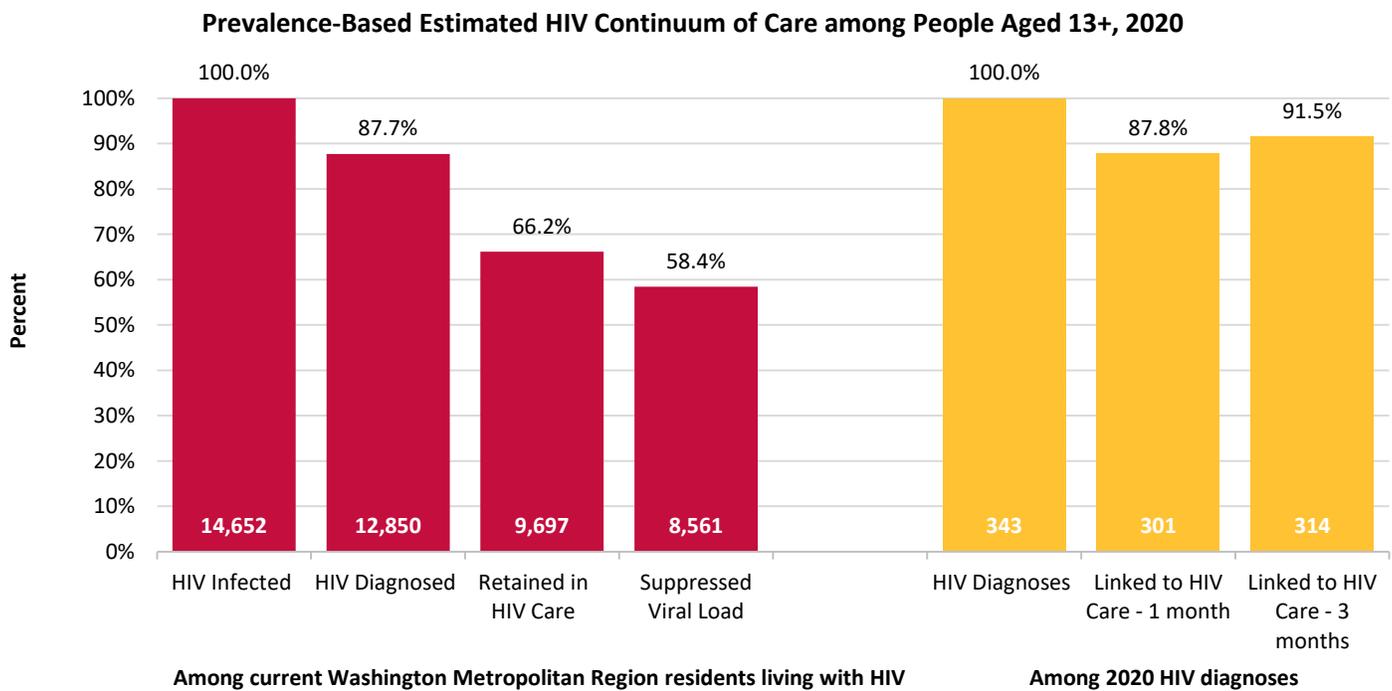
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section III – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 8 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2021

The prevalence-based Washington Metropolitan Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (12.3 percent) and the estimated number of people living with HIV currently residing in the Washington Metropolitan Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Washington Metropolitan Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



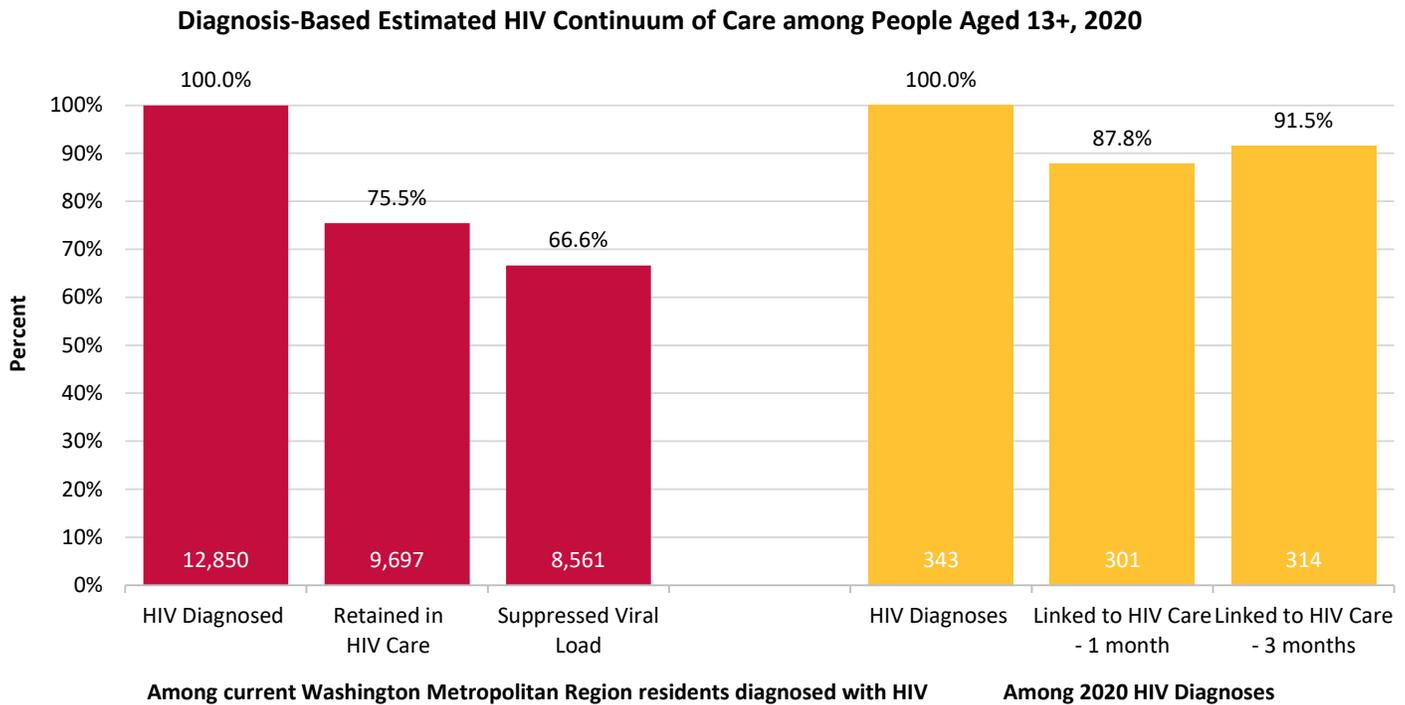
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	14,652	100.0%	New HIV Diagnoses	343	100.0%
HIV Diagnosed	12,850	87.7%	Linked to HIV Care – 1 Month	301	87.8%
Retained in HIV Care	9,697	66.2%	Linked to HIV Care – 3 Months	314	91.5%
Suppressed Viral Load	8,561	58.4%			

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

Figure 9 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2021

The diagnosis-based Washington Metropolitan Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Washington Metropolitan Region residents to describe the number and percentage of persons living with diagnosed HIV in the Washington Metropolitan Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	12,850	100.0%	New HIV Diagnoses	343	100.0%
Retained in HIV Care	9,697	75.5%	Linked to HIV Care – 1 Month	301	87.8%
Suppressed Viral Load	8,561	66.6%	Linked to HIV Care – 3 Months	314	91.5%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section IV – By Jurisdiction

Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, among People Aged 13+ during 2020, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Calvert	78,372	6	1.7%	7.7	2	1.1%	2.6
Charles	136,982	19	5.5%	13.9	9	4.8%	6.6
Frederick	221,788	14	4.1%	6.3	7	3.7%	3.2
Montgomery	879,817	83	24.2%	9.4	49	25.9%	5.6
Prince George's	761,933	221	64.4%	29.0	122	64.6%	16.0
Total	2,078,893	343	100.0%	16.5	189	100.0%	9.1

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at HIV Diagnosis	No.	Reported HIV Diagnoses among People Aged 13+				
		Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Calvert	6	83.3%	83.3%	***	100.0%	323
Charles	19	78.9%	89.5%	***	84.2%	402
Frederick	14	85.7%	92.9%	***	100.0%	271
Montgomery	83	88.0%	92.8%	24.1%	97.6%	381
Prince George's	221	88.7%	91.4%	27.1%	93.2%	308
Total	343	87.8%	91.5%	25.7%	94.2%	329

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

*** Data withheld due to low population counts and/or small numbers.

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2021

Jurisdiction of Residence	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Calvert	78,372	116	0.9%	148.0	676	137	1.1%	174.8	572	18.1%
Charles	136,982	513	3.9%	374.5	267	646	5.0%	471.6	212	25.9%
Frederick	221,788	376	2.9%	169.5	590	470	3.7%	211.9	472	25.0%
Montgomery	879,817	4,143	31.7%	470.9	212	3,583	27.9%	407.2	246	-13.5%
Prince George's	761,933	7,935	60.7%	1,041.4	96	8,014	62.4%	1,051.8	95	1.0%
Total	2,078,893	13,083	100.0%	629.3	159	12,850	100.0%	618.1	162	-1.8%

Table 4 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV								
	No.	Recent CD4 Test Result				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Calvert	137	111	81.0%	628	7.2%	10.8%	12.6%	69.4%	
Charles	646	490	75.9%	676	7.6%	9.0%	13.5%	70.0%	
Frederick	470	349	74.3%	635	5.2%	10.0%	13.5%	71.3%	
Montgomery	3,583	2,482	69.3%	606	5.6%	12.0%	17.6%	64.7%	
Prince George's	8,014	5,955	74.3%	632	6.8%	11.2%	15.4%	66.6%	
Total	12,850	9,387	73.1%	627	6.5%	11.2%	15.8%	66.5%	

Table 5 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Calvert	137	113	82.5%	95.6%	2,990
Charles	646	487	75.4%	90.3%	2,970
Frederick	470	353	75.1%	91.5%	8,908
Montgomery	3,583	2,467	68.9%	92.8%	11,452
Prince George's	8,014	5,967	74.5%	90.5%	8,340
Total	12,850	9,387	73.1%	91.2%	8,610

Section V – By Age

Table 6 – Reported HIV Diagnoses during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2021

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<5 (Pediatric)	152,702	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	252,502	0	0.0%	0.0	--	--	--	--	--
13-19	220,036	11	3.2%	5.0	90.9%	90.9%	***	81.8%	363
20-29	307,497	107	31.2%	34.8	82.2%	89.7%	10.3%	90.7%	437
30-39	339,746	91	26.5%	26.8	90.1%	93.4%	31.9%	94.5%	350
40-49	327,060	69	20.1%	21.1	95.7%	95.7%	33.3%	100.0%	286
50-59	348,047	44	12.8%	12.6	86.4%	88.6%	36.4%	97.7%	201
60+	536,507	21	6.1%	3.9	81.0%	85.7%	***	90.5%	131
Total	2,484,097	343	100.0%	13.8	87.8%	91.5%	25.7%	94.2%	329

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	152,702	4	0.0%	2.6	38,176
5-12 (Pediatric)	252,502	13	0.1%	5.1	19,423
13-19	220,036	60	0.5%	27.3	3,667
20-29	307,497	1,095	8.5%	356.1	281
30-39	339,746	2,721	21.1%	800.9	125
40-49	327,060	2,990	23.2%	914.2	109
50-59	348,047	3,574	27.8%	1,026.9	97
60+	536,507	2,410	18.7%	449.2	223
Total	2,484,097	12,867	100.0%	518.0	193

Table 8 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	No.	Total People Aged 13+ Living with Diagnosed HIV								
		Recent CD4 Test Results					<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count						
13-19	60	44	73.3%	677	6.8%	13.6%	6.8%	72.7%		
20-29	1,095	806	73.6%	647	6.5%	8.2%	13.0%	72.3%		
30-39	2,721	1,961	72.1%	635	6.9%	10.5%	15.1%	67.4%		
40-49	2,990	2,165	72.4%	629	6.3%	10.5%	16.1%	67.1%		
50-59	3,574	2,662	74.5%	630	6.6%	11.8%	15.9%	65.7%		
60+	2,410	1,749	72.6%	596	6.0%	13.5%	17.3%	63.2%		
Total	12,850	9,387	73.1%	627	6.5%	11.2%	15.8%	66.5%		

Table 9 – Viral Load Test Results during 2020 for People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	60	54	90.0%	77.8%	15,900
20-29	1,095	816	74.5%	83.2%	11,619
30-39	2,721	1,952	71.7%	88.3%	13,700
40-49	2,990	2,157	72.1%	92.2%	10,595
50-59	3,574	2,669	74.7%	92.7%	4,645
60+	2,410	1,739	72.2%	95.2%	2,480
Total	12,850	9,387	73.1%	91.2%	8,610

Section VI – By Demographics

Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	994,476	244	71.1%	24.5	88.1%	91.4%	25.4%	94.7%	327
Female	1,084,417	99	28.9%	9.1	86.9%	91.9%	26.3%	92.9%	369
Gender									
Man	994,476	241	70.3%	24.2	88.8%	91.7%	25.7%	95.0%	327
Woman	1,084,417	99	28.9%	9.1	***	***	***	***	***
Transgender Woman	--	3	0.9%	0.0	***	***	***	***	***
Transgender Man	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	329,131	51	14.9%	15.5	92.2%	92.2%	25.5%	100.0%	368
Non-Hispanic	1,749,762	292	85.1%	16.7	87.0%	91.4%	25.7%	93.2%	329
American Indian/Alaska Native, only	5,024	1	0.3%	19.9	***	***	***	***	***
Asian, only	191,757	6	1.7%	3.1	83.3%	83.3%	0.0%	83.3%	330
Black, only	746,808	250	72.9%	33.5	87.2%	91.2%	26.8%	93.2%	304
Native Hawaiian/Other Pacific Islander, only	1,075	0	0.0%	0.0	--	--	--	--	--
White, only	761,815	23	6.7%	3.0	82.6%	91.3%	***	91.3%	552
Multiracial/Other	43,284	12	3.5%	27.7	***	***	***	***	***
Total	2,078,893	343	100.0%	16.5	87.8%	91.5%	25.7%	94.2%	329
Country of Birth									
United States	1,489,388	224	65.3%	15.0	86.2%	91.1%	22.3%	93.8%	364
Foreign-Born	557,719	57	16.6%	10.2	93.0%	94.7%	33.3%	100.0%	257
Africa	--	36	10.5%	--	91.7%	94.4%	33.3%	100.0%	265
Asia	--	1	0.3%	--	***	***	***	***	***
Caribbean	--	3	0.9%	--	***	***	***	***	***
Central America	--	13	3.8%	--	92.3%	92.3%	46.2%	100.0%	183
Other	--	4	1.2%	--	***	***	***	***	***
Unknown	--	62	18.1%	--	88.7%	90.3%	30.6%	90.3%	338
Total	2,047,107	343	100.0%	16.8	87.8%	91.5%	25.7%	94.2%	329

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2020 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Race/Ethnicity	Reported HIV Diagnoses among People Aged 13+							
	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	169,811	42	17.2%	24.7	159,320	9	9.1%	5.6
Non-Hispanic	824,664	202	82.8%	24.5	925,097	90	90.9%	24.5
American Indian/Alaska Native, only	2,351	1	0.4%	42.5	2,673	0	0.0%	0.0
Asian, only	88,906	5	2.0%	5.6	102,851	1	1.0%	1.0
Black, only	341,869	165	67.6%	48.3	404,939	85	85.9%	21.0
Native Hawaiian/Other Pacific Islander, only	491	0	0.0%	0.0	583	0	0.0%	0.0
White, only	370,934	21	8.6%	5.7	390,880	2	2.0%	0.5
Multiracial/Other	20,113	10	4.1%	49.7	23,171	2	2.0%	8.6
Total	994,476	244	100.0%	24.5	1,084,417	99	100.0%	24.5

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	994,476	8,479	66.0%	852.6	117
Female	1,084,417	4,371	34.0%	403.1	248
Gender					
Man	994,476	8,389	65.3%	843.6	119
Woman	1,084,417	4,367	34.0%	402.7	248
Transgender Woman	--	90	0.7%	--	--
Transgender Man	--	4	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	329,131	1,288	10.0%	391.3	256
Non-Hispanic	1,749,762	11,562	90.0%	660.8	151
American Indian/Alaska Native, only	5,024	9	0.1%	179.2	558
Asian, only	191,757	134	1.0%	69.9	1,431
Black, only	746,808	9,657	75.2%	1,293.1	77
Native Hawaiian/Other Pacific Islander, only	1,075	3	0.0%	279.1	358
White, only	761,815	1,132	8.8%	148.6	673
Multiracial/Other	43,284	627	4.9%	1,448.6	69
Total	2,078,893	12,850	100.0%	618.1	162
Country of Birth					
United States	1,489,388	9,760	76.0%	655.3	153
Foreign-Born	557,719	2,646	20.6%	474.4	211
Africa	--	1,797	14.0%	--	--
Asia	--	100	0.8%	--	--
Caribbean	--	152	1.2%	--	--
Central America	--	403	3.1%	--	--
Other	--	194	1.5%	--	--
Unknown	--	444	3.5%	--	--
Total	2,047,107	12,850	100.0%	627.7	159

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	169,811	1,008	11.9%	593.6	159,320	280	6.4%	175.7
Non-Hispanic	824,664	7,471	88.1%	905.9	925,097	4,091	93.6%	442.2
American Indian/Alaska Native, only	2,351	***	***	***	2,673	***	***	***
Asian, only	88,906	112	1.3%	126.0	102,851	22	0.5%	21.4
Black, only	341,869	5,941	70.1%	1,737.8	404,939	3,716	85.0%	917.7
Native Hawaiian/Other Pacific Islander, only	491	***	***	***	583	***	***	***
White, only	370,934	956	11.3%	257.7	390,880	176	4.0%	45.0
Multiracial/Other	20,113	452	5.3%	2,247.3	23,171	175	4.0%	755.2
Total	994,476	8,479	100.0%	852.6	1,084,417	4,371	100.0%	403.1

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

*** Data withheld due to low population counts and/or small numbers.

Table 14 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	8,479	6,178	72.9%	612	6.6%	11.7%	16.8%	65.0%
Female	4,371	3,209	73.4%	657	6.3%	10.5%	13.7%	69.5%
Gender								
Man	8,389	6,109	72.8%	612	6.6%	11.7%	16.8%	64.9%
Woman	4,367	3,205	73.4%	657	6.3%	10.5%	13.7%	69.5%
Transgender Woman	90	***	***	***	***	***	***	***
Transgender Man	4	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	1,288	943	73.2%	616	5.5%	11.1%	16.6%	66.7%
Non-Hispanic	11,562	8,444	73.0%	629	6.6%	11.3%	15.7%	66.5%
American Indian/Alaska Native, only	9	***	***	***	***	***	***	***
Asian, only	134	95	70.9%	596	2.1%	11.6%	24.2%	62.1%
Black, only	9,657	7,024	72.7%	628	6.9%	11.6%	15.6%	66.0%
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***	***	***	***
White, only	1,132	815	72.0%	659	4.2%	7.7%	14.0%	74.1%
Multiracial/Other	627	502	80.1%	594	7.6%	12.7%	17.5%	62.2%
Country of Birth								
United States	9,760	7,225	74.0%	636	6.6%	10.9%	15.2%	67.3%
Foreign-Born	2,646	1,868	70.6%	590	6.2%	12.7%	17.8%	63.3%
Africa	1,797	1,247	69.4%	570	6.5%	12.8%	19.2%	61.4%
Asia	100	80	80.0%	621	2.5%	12.5%	17.5%	67.5%
Caribbean	152	125	82.2%	677	9.6%	13.6%	12.0%	64.8%
Central America	403	289	71.7%	604	4.8%	15.2%	12.8%	67.1%
Other	194	127	65.5%	626	5.5%	5.5%	20.5%	68.5%
Unknown	444	294	66.2%	618	5.8%	9.5%	16.7%	68.0%
Total	12,850	9,387	73.1%	627	6.5%	11.2%	15.8%	66.5%

*** Data withheld due to low population counts and/or small numbers.

Table 15 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	8,479	6,186	73.0%	91.1%	9,499
Female	4,371	3,201	73.2%	91.5%	6,285
Gender					
Man	8,389	6,123	73.0%	91.1%	9,860
Woman	4,367	3,197	73.2%	91.5%	6,285
Transgender Woman	90	***	***	***	***
Transgender Man	4	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	1,288	937	72.7%	93.0%	6,525
Non-Hispanic	11,562	8,450	73.1%	91.0%	9,499
American Indian/Alaska Native, only	9	6	66.7%	83.3%	960
Asian, only	134	***	***	***	***
Black, only	9,657	7,027	72.8%	90.5%	8,203
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***
White, only	1,132	825	72.9%	95.8%	21,400
Multiracial/Other	627	494	78.8%	89.9%	14,600
Country of Birth					
United States	9,760	7,224	74.0%	90.8%	9,740
Foreign-Born	2,646	1,869	70.6%	93.5%	7,589
Africa	1,797	1,253	69.7%	93.1%	5,536
Asia	100	79	79.0%	96.2%	75,500
Caribbean	152	125	82.2%	92.0%	27,871
Central America	403	286	71.0%	93.0%	7,589
Other	194	126	64.9%	99.2%	4,820
Unknown	444	294	66.2%	86.7%	4,150
Total	12,850	9,387	73.1%	91.2%	8,610

*** Data withheld due to low population counts and/or small numbers.

Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	54,092	68,193	57,096	27,629	207,009
	Number	1	4	1	0	6
	Rate	1.8	5.9	1.8	0.0	2.9
	Ratio (1 in X)	54,092	17,048	57,096	--	34,502
13-19	Population	25,093	37,461	35,019	14,538	112,112
	Number	4	29	2	1	36
	Rate	15.9	77.4	5.7	6.9	32.1
	Ratio (1 in X)	6,273	1,292	17,510	14,538	3,114
20-29	Population	30,764	57,400	47,928	17,873	153,965
	Number	116	671	42	47	876
	Rate	377.1	1,169.0	87.6	263.0	569.0
	Ratio (1 in X)	265	86	1,141	380	176
30-39	Population	35,836	58,407	54,065	19,322	167,630
	Number	268	1,526	136	146	2,076
	Rate	747.9	2,612.7	251.5	755.6	1,238.4
	Ratio (1 in X)	134	38	398	132	81
40-49	Population	36,151	53,893	50,098	18,439	158,581
	Number	296	1,134	174	127	1,731
	Rate	818.8	2,104.2	347.3	688.8	1,091.6
	Ratio (1 in X)	122	48	288	145	92
50-59	Population	23,537	60,130	64,790	16,727	165,184
	Number	227	1,565	322	149	2,263
	Rate	964.4	2,602.7	497.0	890.8	1,370.0
	Ratio (1 in X)	104	38	201	112	73
60+	Population	18,430	74,578	119,034	24,962	237,004
	Number	97	1,016	280	104	1,497
	Rate	526.3	1,362.3	235.2	416.6	631.6
	Ratio (1 in X)	190	73	425	240	158
Total Males by Race/Ethnicity	Population	223,903	410,062	428,030	139,490	1,201,485
	Number	1,009	5,945	957	574	8,485
	Rate	450.6	1,449.8	223.6	411.5	706.2
	Ratio (1 in X)	222	69	447	243	142

Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	51,559	66,660	54,099	25,877	198,195
	Number	1	8	1	1	11
	Rate	1.9	12.0	1.8	3.9	5.6
	Ratio (1 in X)	51,559	8,333	54,099	25,877	18,018
13-19	Population	23,864	37,022	33,058	13,980	107,924
	Number	2	20	1	1	24
	Rate	8.4	54.0	3.0	7.2	22.2
	Ratio (1 in X)	11,932	1,851	33,058	13,980	4,497
20-29	Population	28,975	60,858	45,652	18,047	153,532
	Number	20	190	5	4	219
	Rate	69.0	312.2	11.0	22.2	142.6
	Ratio (1 in X)	1,449	320	9,130	4,512	701
30-39	Population	31,663	64,426	53,896	22,131	172,116
	Number	49	525	32	39	645
	Rate	154.8	814.9	59.4	176.2	374.7
	Ratio (1 in X)	646	123	1,684	567	267
40-49	Population	30,339	63,963	51,441	22,736	168,479
	Number	90	1,072	37	60	1,259
	Rate	296.6	1,676.0	71.9	263.9	747.3
	Ratio (1 in X)	337	60	1,390	379	134
50-59	Population	22,056	72,972	67,220	20,615	182,863
	Number	76	1,128	52	55	1,311
	Rate	344.6	1,545.8	77.4	266.8	716.9
	Ratio (1 in X)	290	65	1,293	375	139
60+	Population	22,423	105,698	139,613	31,769	299,503
	Number	43	781	49	40	913
	Rate	191.8	738.9	35.1	125.9	304.8
	Ratio (1 in X)	521	135	2,849	794	328
Total Females by Race/Ethnicity	Population	210,879	471,599	444,979	155,155	1,282,612
	Number	281	3,724	177	200	4,382
	Rate	133.3	789.7	39.8	128.9	341.6
	Ratio (1 in X)	750	127	2,514	776	293

Section VII – By HIV Exposure Category

Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	186	54.1%	87.3%	90.9%	19.8%	94.3%	373
Injection Drug Use (IDU)	16	4.7%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	0.6%	***	***	***	***	***
Heterosexual Contact (HET)	139	40.6%	88.6%	92.5%	32.6%	93.6%	282
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	343	100.0%	87.8%	91.5%	25.7%	94.2%	329
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	186	76.1%	87.3%	90.9%	19.8%	94.3%	373
Injection Drug Use (IDU)	10	4.2%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	0.8%	***	***	***	***	***
Heterosexual Contact (HET)	46	18.9%	91.3%	92.6%	44.0%	95.2%	165
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	244	100.0%	88.1%	91.4%	25.4%	94.7%	327
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	6	6.1%	81.7%	83.3%	***	95.0%	248
Heterosexual Contact (HET)	93	93.9%	87.2%	92.5%	***	92.8%	370
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	99	100.0%	86.9%	91.9%	26.3%	92.9%	369

Note. Data for 2020 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	5,822	45.3%
Injection Drug Use (IDU)	828	6.4%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	295	2.3%
Heterosexual Contact (HET)	5,721	44.5%
Perinatal Transmission	133	1.0%
Other Exposure	15	0.1%
No Estimated or Reported Exposure	36	0.3%
Total	12,850	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	5,822	68.7%
Injection Drug Use (IDU)	442	5.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	295	3.5%
Heterosexual Contact (HET)	1,831	21.6%
Perinatal Transmission	59	0.7%
Other Exposure	6	0.1%
No Estimated or Reported Exposure	23	0.3%
Total	8,479	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	386	8.8%
Heterosexual Contact (HET)	3,890	89.0%
Perinatal Transmission	74	1.7%
Other Exposure	9	0.2%
No Estimated or Reported Exposure	13	0.3%
Total	4,371	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2020, and Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	692	53.7%	3,883	40.2%	805	71.2%
Injection Drug Use (IDU)	44	3.4%	673	7.0%	65	5.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	1.9%	204	2.1%	45	4.0%
Heterosexual Contact (HET)	517	40.1%	4,744	49.1%	204	18.0%
Perinatal Transmission	8	0.6%	115	1.2%	5	0.4%
Other Exposure	1	0.1%	8	0.1%	4	0.4%
No Estimated or Reported Exposure	2	0.2%	30	0.3%	3	0.3%
Total	1,288	100.0%	9,657	100.0%	1,131	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	692	68.6%	3,883	65.4%	805	84.3%
Injection Drug Use (IDU)	29	2.9%	360	6.1%	34	3.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	2.4%	204	3.4%	45	4.7%
Heterosexual Contact (HET)	257	25.5%	1,422	23.9%	67	7.0%
Perinatal Transmission	4	0.4%	51	0.9%	2	0.2%
Other Exposure	1	0.1%	1	0.0%	3	0.3%
No Estimated or Reported Exposure	1	0.1%	21	0.4%	0	0.0%
Total	1,008	100.0%	5,942	100.0%	956	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	15	5.5%	313	8.4%	31	17.8%
Heterosexual Contact (HET)	260	92.7%	3,323	89.4%	138	78.2%
Perinatal Transmission	4	1.4%	64	1.7%	3	1.7%
Other Exposure	0	0.0%	7	0.2%	1	0.6%
No Estimated or Reported Exposure	1	0.4%	9	0.2%	3	1.7%
Total	280	100.0%	3,716	100.0%	176	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male-to-male Sexual Contact (MSM)	5,822	4,315	74.1%	636	5.5%	9.9%	16.0%	68.6%
Injection Drug Use (IDU)	828	581	70.2%	611	7.1%	13.0%	15.7%	64.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	295	217	73.5%	559	7.2%	15.3%	19.0%	58.5%
Heterosexual Contact (HET)	5,721	4,144	72.4%	623	7.1%	12.2%	15.3%	65.4%
Perinatal Transmission	133	96	72.2%	607	17.7%	8.3%	13.5%	60.4%
Other Exposure	15	12	80.0%	430	8.3%	25.0%	25.0%	41.7%
No Estimated or Reported Exposure	36	23	63.9%	505	17.4%	8.7%	21.7%	52.2%
Total	12,850	9,387	73.1%	627	6.5%	11.2%	15.8%	66.5%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

Table 22 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

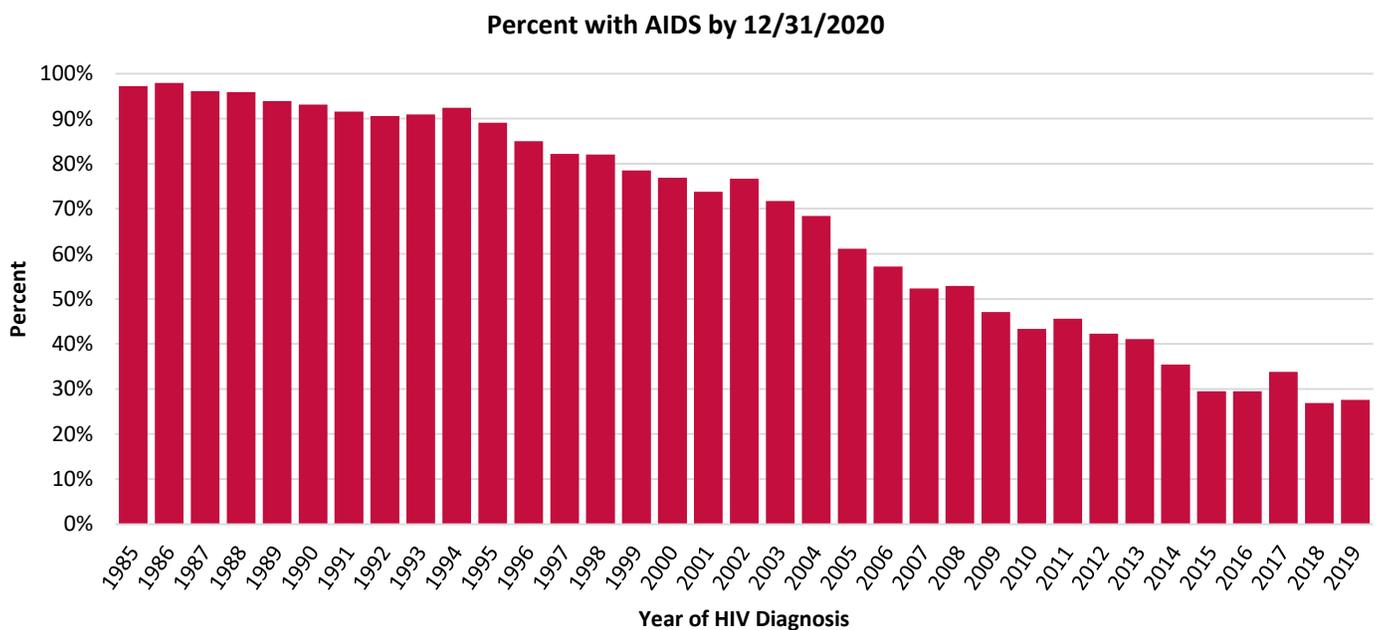
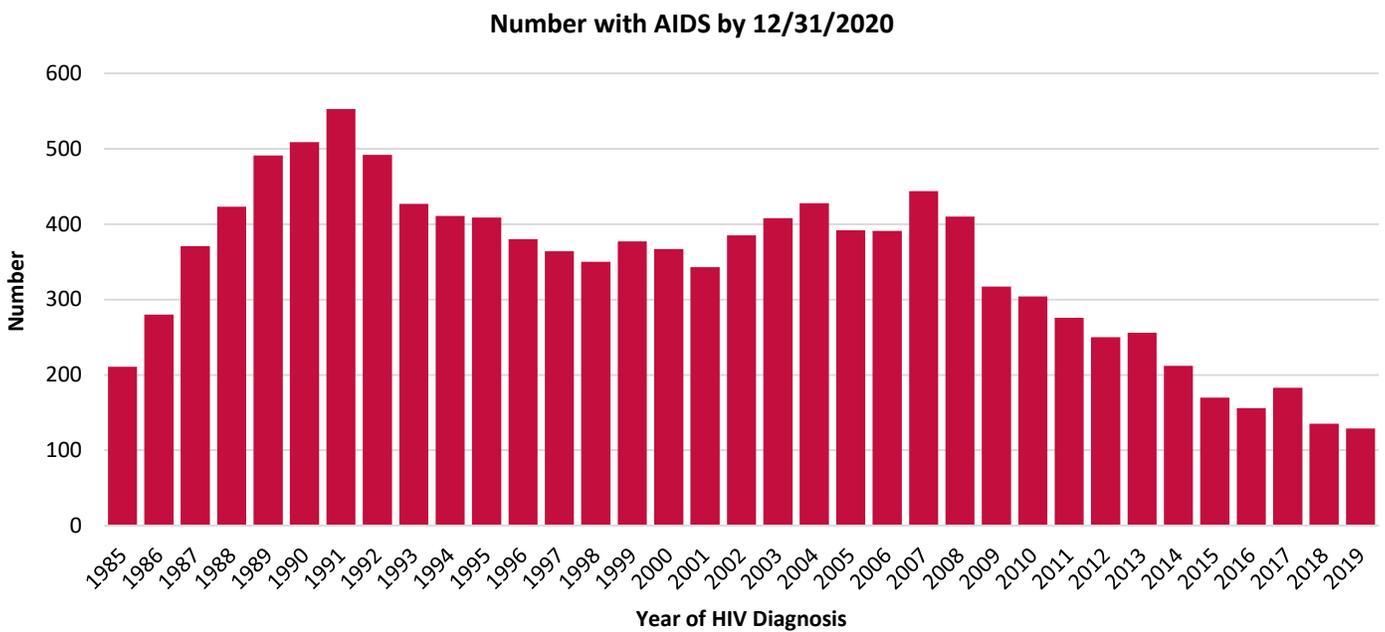
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MSM)	5,822	4,316	74.1%	91.4%	9,900
Injection Drug Use (IDU)	828	575	69.4%	91.5%	3,610
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	295	217	73.7%	89.3%	19,500
Heterosexual Contact (HET)	5,721	4,133	72.3%	91.5%	6,130
Perinatal Transmission	133	107	80.5%	75.7%	9,420
Other Exposure	15	12	80.0%	100.0%	--
No Estimated or Reported Exposure	36	26	72.2%	88.5%	26,975
Total	12,850	9,387	73.1%	91.2%	8,610

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (Reported HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ by December 31, 2020, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, Reported through June 30, 2021

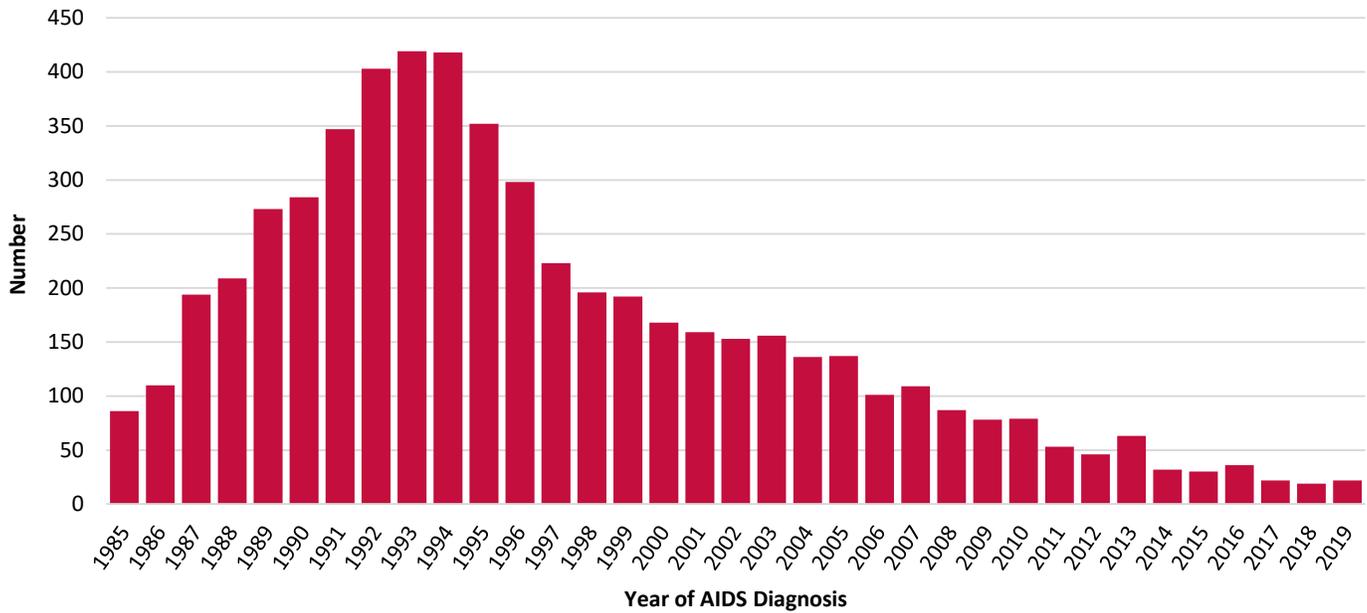


Reported HIV Diagnoses among People Aged 13+									
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis				
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years	
<1985	125	118	94.4%	7.7	42.4%	42.4%	45.6%	58.4%	
1985	217	211	97.2%	5.9	40.6%	41.9%	49.3%	76.5%	
1986	286	280	97.9%	5.0	42.3%	43.0%	53.5%	85.7%	
1987	386	371	96.1%	3.9	47.4%	48.2%	64.2%	86.5%	
1988	441	423	95.9%	3.3	48.5%	53.3%	72.8%	88.7%	
1989	523	491	93.9%	3.0	49.3%	52.2%	73.6%	88.5%	
1990	547	509	93.1%	3.1	47.7%	55.0%	73.5%	87.4%	
1991	604	553	91.6%	2.6	51.8%	60.4%	78.1%	85.6%	
1992	543	492	90.6%	3.0	49.2%	57.3%	73.8%	82.9%	
1993	470	427	90.9%	2.2	60.6%	66.4%	77.7%	85.5%	
1994	445	411	92.4%	2.1	65.8%	71.5%	77.8%	86.7%	
1995	459	409	89.1%	2.1	63.4%	68.6%	74.1%	84.3%	
1996	447	380	85.0%	2.1	61.5%	63.5%	72.0%	80.1%	
1997	443	364	82.2%	2.1	60.0%	63.7%	69.5%	77.4%	
1998	427	350	82.0%	2.3	58.1%	62.3%	68.9%	75.9%	
1999	480	377	78.5%	1.8	59.2%	63.1%	68.1%	73.5%	
2000	477	367	76.9%	2.3	54.3%	57.7%	64.2%	71.5%	
2001	465	343	73.8%	2.1	52.9%	55.1%	62.6%	68.6%	
2002	502	385	76.7%	1.6	60.4%	63.9%	68.7%	72.9%	
2003	569	408	71.7%	1.7	54.5%	56.8%	61.9%	67.8%	
2004	626	428	68.4%	1.8	51.4%	54.0%	58.1%	65.7%	
2005	642	392	61.1%	1.5	47.0%	49.7%	54.0%	59.0%	
2006	683	391	57.2%	1.8	40.7%	43.5%	49.3%	54.3%	
2007	849	444	52.3%	1.9	36.4%	38.6%	44.1%	49.8%	
2008	775	410	52.9%	1.7	37.0%	40.0%	46.8%	51.2%	
2009	673	317	47.1%	1.9	31.9%	34.2%	39.5%	46.4%	
2010	702	304	43.3%	1.6	30.2%	33.0%	37.6%	42.2%	
2011	605	276	45.6%	1.5	32.9%	35.9%	39.3%	--	
2012	591	250	42.3%	1.2	32.3%	35.0%	38.9%	--	
2013	623	256	41.1%	1.0	32.9%	34.7%	38.4%	--	
2014	599	212	35.4%	1.0	26.2%	28.2%	33.6%	--	
2015	577	170	29.5%	0.7	24.6%	26.2%	28.9%	--	
2016	528	156	29.5%	0.6	24.4%	26.3%	--	--	
2017	542	183	33.8%	0.4	30.6%	32.1%	--	--	
2018	501	135	26.9%	0.3	25.0%	26.5%	--	--	
2019	468	129	27.6%	0.2	26.3%	--	--	--	
Total	18,840	12,122	64.3%	2.2	43.4%	46.6%	53.8%	60.7%	

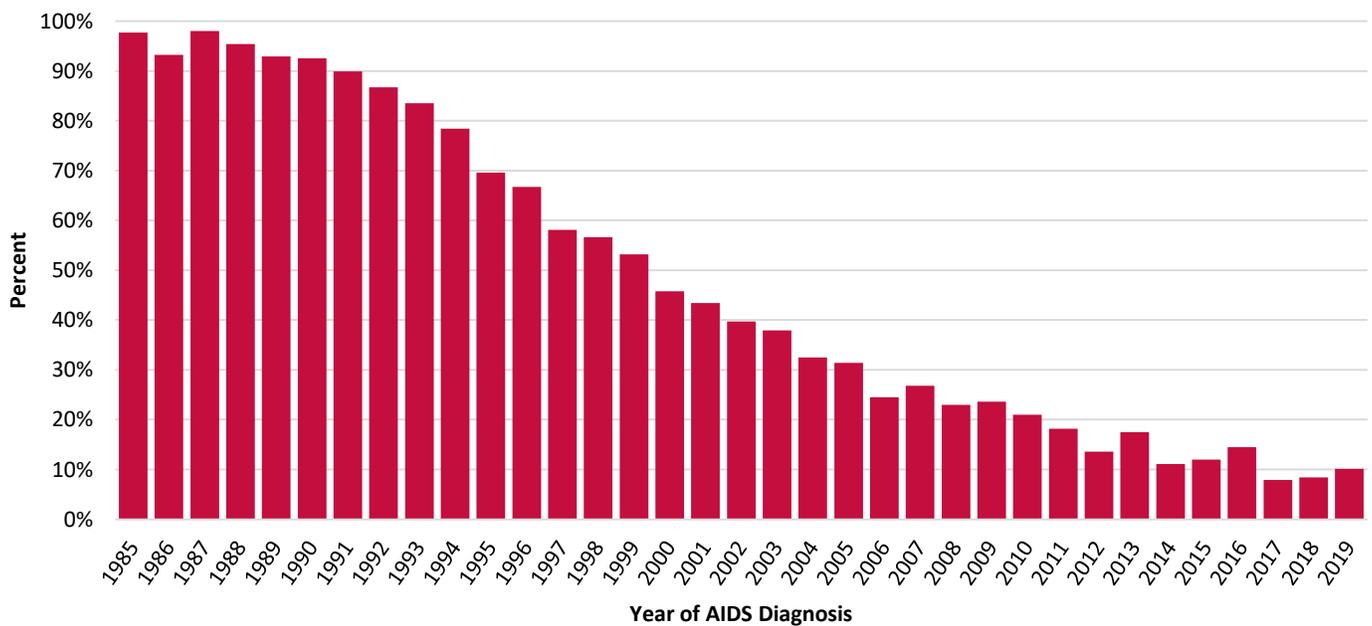
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) among People Aged 13+ by December 31, 2020, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2019, Reported through June 30, 2021

Number Deceased by 12/31/2020



Percent Deceased by 12/31/2020



Year of AIDS Diagnosis	Reported AIDS Diagnoses among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	59	59	100.0%	0.9	33.9%	6.8%	3.4%	0.0%
1985	88	86	97.7%	1.4	40.9%	15.9%	11.4%	3.4%
1986	118	110	93.2%	1.9	51.7%	32.2%	12.7%	9.3%
1987	198	194	98.0%	2.1	52.0%	29.3%	10.6%	6.6%
1988	219	209	95.4%	2.0	61.6%	36.1%	13.2%	6.8%
1989	294	273	92.9%	3.3	68.7%	50.7%	21.8%	13.6%
1990	307	284	92.5%	3.0	65.5%	49.2%	22.5%	14.3%
1991	386	347	89.9%	2.8	68.4%	52.1%	19.7%	15.0%
1992	465	403	86.7%	3.4	74.4%	53.8%	26.0%	20.9%
1993	502	419	83.5%	3.6	73.1%	57.8%	33.5%	25.7%
1994	533	418	78.4%	3.9	76.4%	55.5%	40.9%	30.6%
1995	506	352	69.6%	5.1	75.7%	65.8%	55.3%	43.7%
1996	447	298	66.7%	5.7	81.0%	75.2%	64.2%	47.9%
1997	384	223	58.1%	5.8	82.0%	76.8%	65.9%	55.2%
1998	346	196	56.6%	6.2	85.8%	82.1%	71.7%	56.1%
1999	361	192	53.2%	5.8	85.0%	79.2%	70.4%	57.9%
2000	367	168	45.8%	6.7	91.8%	89.6%	79.0%	65.9%
2001	366	159	43.4%	6.0	87.7%	84.2%	76.2%	67.5%
2002	385	153	39.7%	4.9	88.8%	85.7%	75.3%	67.8%
2003	412	156	37.9%	5.0	88.8%	84.0%	77.2%	70.4%
2004	419	136	32.5%	5.1	90.5%	87.1%	81.4%	74.5%
2005	437	137	31.4%	4.8	90.4%	88.3%	81.2%	74.1%
2006	413	101	24.5%	4.6	93.0%	91.0%	85.7%	78.5%
2007	407	109	26.8%	4.6	91.2%	88.5%	84.5%	77.1%
2008	378	87	23.0%	3.3	90.5%	87.8%	83.6%	78.8%
2009	331	78	23.6%	3.7	90.6%	89.1%	84.3%	79.2%
2010	376	79	21.0%	3.3	92.8%	90.2%	85.4%	79.8%
2011	292	53	18.2%	2.9	94.2%	91.1%	85.3%	--
2012	337	46	13.6%	2.4	93.2%	91.7%	89.6%	--
2013	361	63	17.5%	2.4	92.5%	89.8%	86.4%	--
2014	288	32	11.1%	2.1	95.8%	93.8%	89.9%	--
2015	251	30	12.0%	1.2	92.4%	91.2%	88.8%	--
2016	249	36	14.5%	0.8	90.0%	87.1%	--	--
2017	277	22	7.9%	0.7	94.6%	92.8%	--	--
2018	225	19	8.4%	0.9	94.2%	93.3%	--	--
2019	218	22	10.1%	0.5	90.8%	--	--	--
Total	12,002	5,749	47.9%	4.0	83.5%	75.9%	65.1%	58.1%

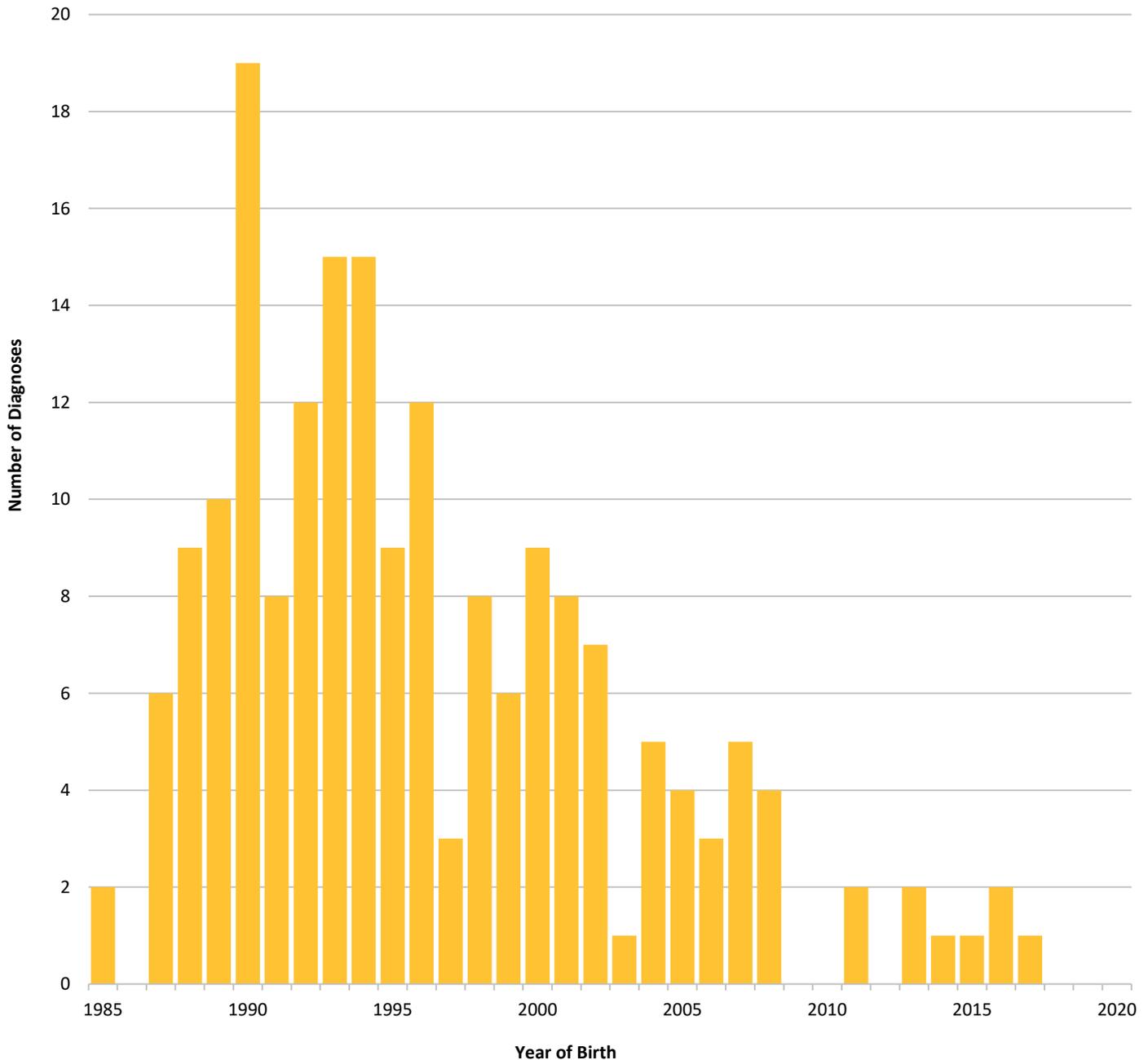
*2019 AIDS deaths are preliminary

Section IX – Pediatrics

Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2020, Reported through June 30, 2021

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31st of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2020, as Reported by Name through June 30, 2021.

Pediatric Reported HIV Diagnoses



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	23	3	2	0	--
1985	2	5	2	1	7
1986	0	6	0	0	13
1987	6	6	4	0	19
1988	9	2	3	2	20
1989	10	8	5	2	26
1990	19	13	5	4	35
1991	8	13	8	3	45
1992	12	10	8	2	51
1993	15	8	9	4	53
1994	15	9	6	3	60
1995	9	9	8	6	63
1996	12	14	12	2	73
1997	3	7	6	1	79
1998	8	5	2	3	81
1999	6	10	6	0	90
2000	9	7	3	1	96
2001	8	5	2	2	100
2002	7	10	2	0	110
2003	1	4	1	4	110
2004	5	5	2	2	113
2005	4	7	3	1	119
2006	3	10	3	1	128
2007	5	11	3	1	139
2008	4	6	1	0	147
2009	0	3	3	0	150
2010	0	1	1	2	150
2011	2	2	2	0	153
2012	0	1	0	0	156
2013	2	2	1	1	158
2014	1	3	1	0	161
2015	1	0	6	0	161
2016	2	3	2	1	165
2017	1	2	1	0	169
2018	0	1	4	1	169
2019	0	0	2	1	171
2020	0	0	2	1	169
Total	212	211	131	52	--

Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Calvert	0	0.0%
Charles	4	23.5%
Frederick	0	0.0%
Montgomery	6	35.3%
Prince George’s	7	41.2%
Total	17	100.0%

Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	6	35.3%
Female	11	64.7%
Race/Ethnicity		
Hispanic	2	11.8%
Non-Hispanic	15	88.2%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	6.7%
Black, only	12	80.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	2	13.3%
Multiracial/Other	0	0.0%
Total	17	100.0%

Glossary of Terms

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of people living with diagnosed HIV on the specified date.

Another Gender Identity: All other gender identities or gender expressions.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

Corrections: Residence in a state or federal prison in Maryland. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Female: A person whose sex assigned at birth is female.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent with Test: Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Heterosexual Contact (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

Injection Drug Use (IDU): People who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year and not reported to have died as of December 31st of the specified year.

People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Male: A person whose sex assigned at birth is male.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Male-to-male Sexual Contact (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU): Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Other Exposure: Includes people who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Percent Change: The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal Exposure: Any baby born to a woman living with diagnosed HIV.

Population: Population estimate for July 1, 2020.

Population Aged 13+: Population age 13 years or older, estimate for July 1, 2020.

Rate: Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported AIDS Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported HIV Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

Suppressed Viral Load: HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year not reported to have died as of December 31st of the specified year.

Total People Aged <13 Living with Diagnosed HIV: Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31st of the specified year.

Total People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Transgender Man: A person whose sex assigned at birth is female but who identify as masculine.

Transgender Woman: A person whose sex assigned at birth is male but who identify as feminine.

Viral Load With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.